

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042777.D
 Acq On : 29 Jul 2025 11:26
 Operator : SY/MD
 Sample : Q2712-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:09:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	150928	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	416737	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	379617	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 306954 10.210 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	40115	2.010	ppbv	95
3) Chlorodifluoromethane	1.476	51	68331	2.629	ppbv #	88
11) Trichlorofluoromethane	1.881	101	90539	4.402	ppbv	92
13) Ethanol	1.725	45	1670m	1.276	ppbv	
15) Acetone	1.839	43	21573	1.035	ppbv	95
26) Hexane	2.832	57	5066m	0.250	ppbv	
29) Chloroform	2.852	83	4427	0.142	ppbv	85
34) 2-Butanone	2.570	43	4617	0.156	ppbv #	88
38) Trichloroethene	4.554	130	4416m	0.233	ppbv	
52) Tetrachloroethene	8.234	164	91193	5.570	ppbv	95
59) m/p-Xylene	9.542	91	5374m	0.112	ppbv	

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

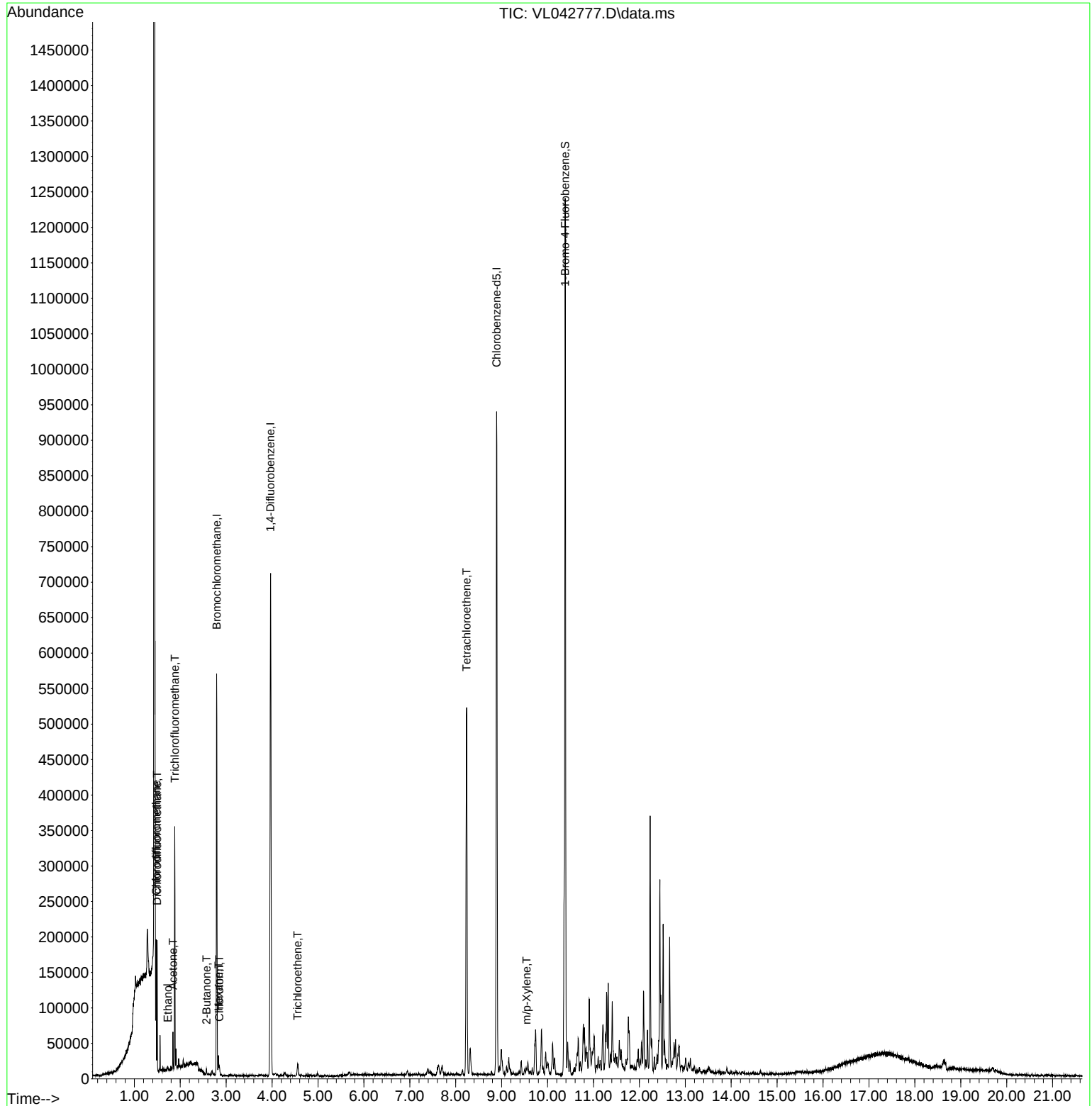
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042777.D
Acq On : 29 Jul 2025 11:26
Operator : SY/MD
Sample : Q2712-01DL 40X
Misc : 400mL/MSVOA_L
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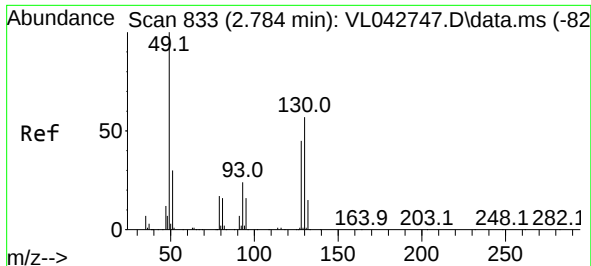
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations

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Supervised By :Mahesh Dadoda 07/30/2025

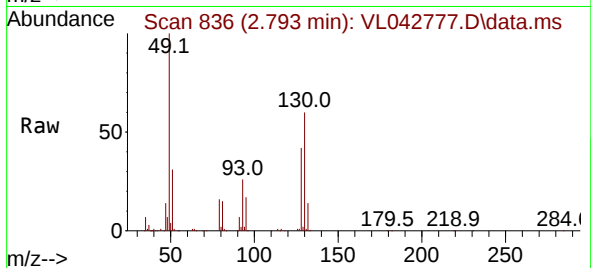
Quant Time: Jul 30 01:09:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
Qlast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

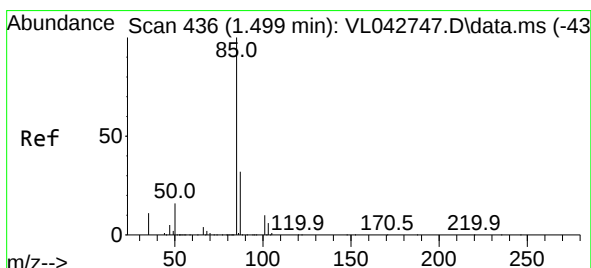
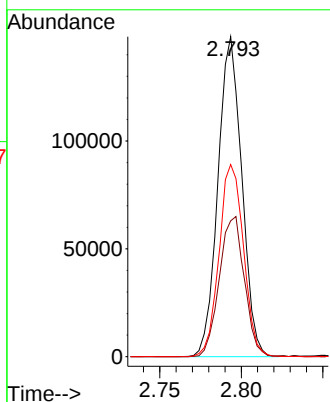
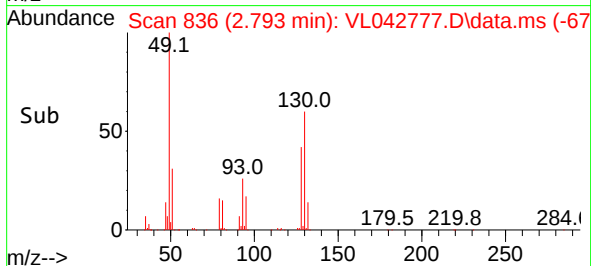
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 150928
Ion Ratio Lower Upper
49 100
128 46.0 23.6 71.0
130 61.5 30.3 90.8

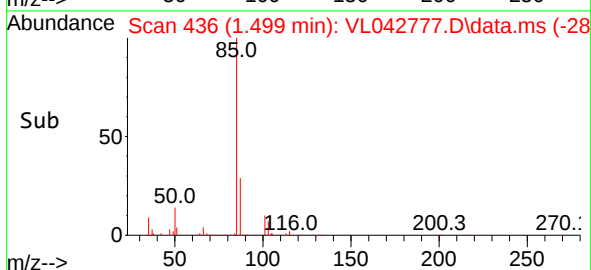
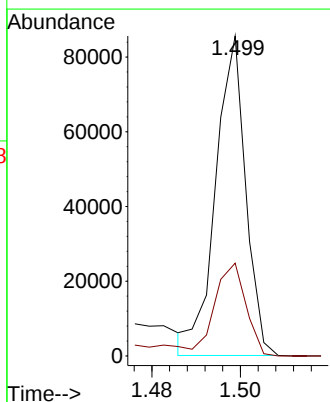
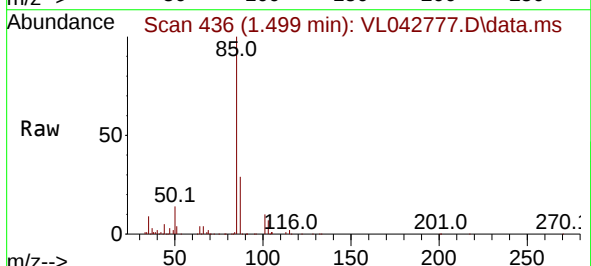
Manual Integrations
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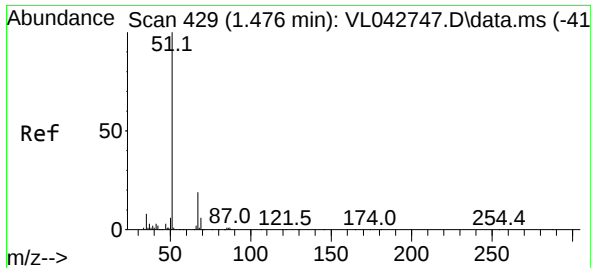
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#2
Dichlorodifluoromethane
Concen: 2.010 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

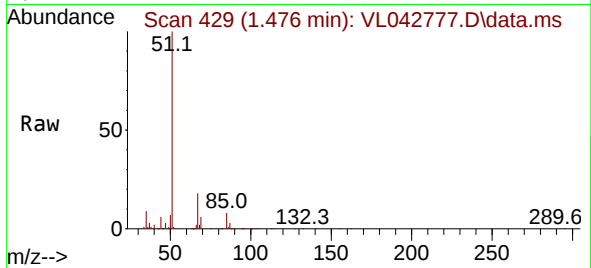
Tgt Ion: 85 Resp: 40115
Ion Ratio Lower Upper
85 100
87 29.0 25.4 38.2





#3
Chlorodifluoromethane
Concen: 2.629 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

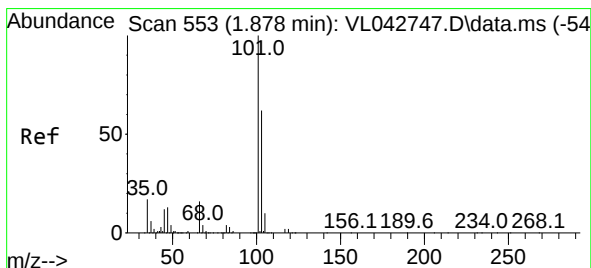
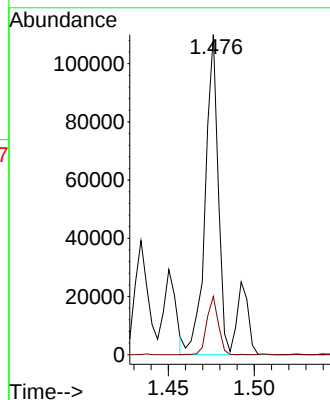
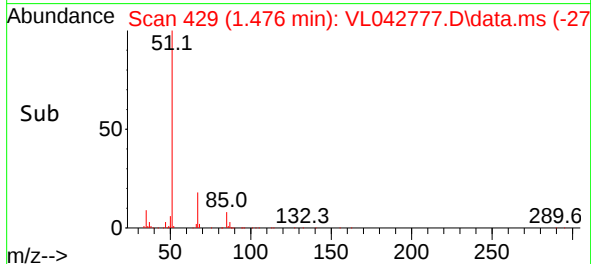
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 51 Resp: 6833
Ion Ratio Lower Upper
51 100
67 13.6 15.0 22.6

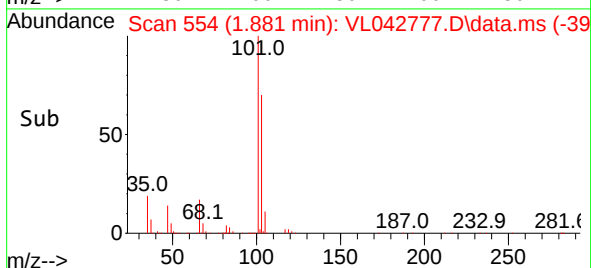
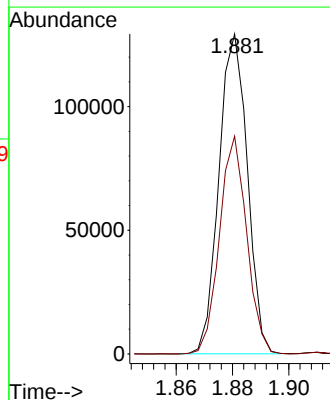
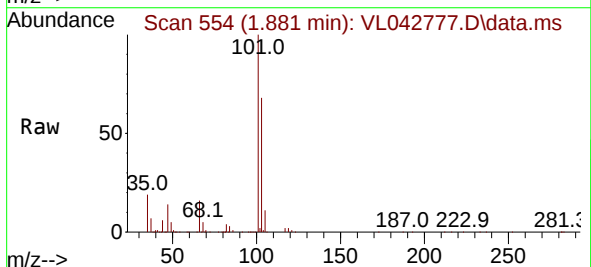
Manual Integrations
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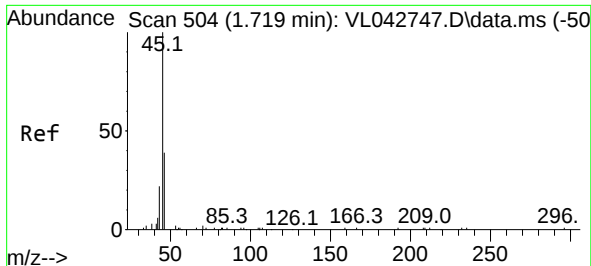
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#11
Trichlorofluoromethane
Concen: 4.402 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

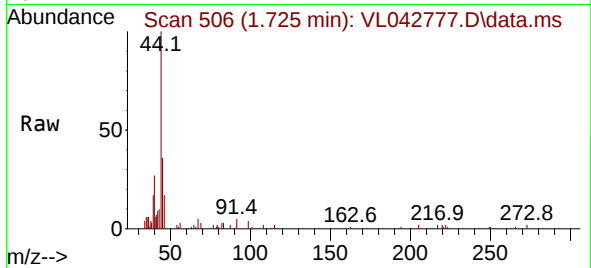
Tgt Ion:101 Resp: 90539
Ion Ratio Lower Upper
101 100
103 68.1 49.6 74.4





#13
Ethanol
Concen: 1.276 ppbv m
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

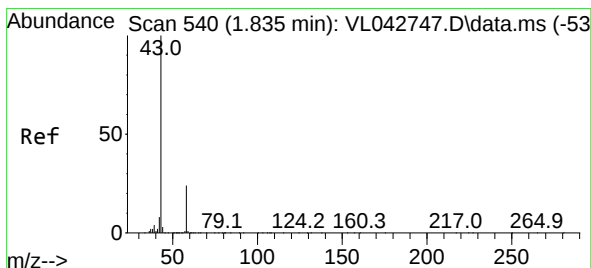
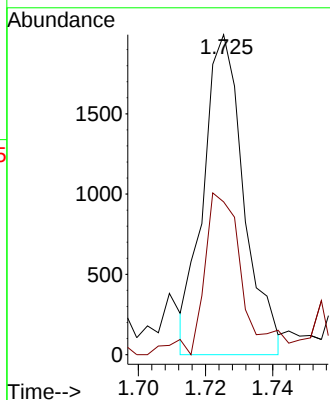
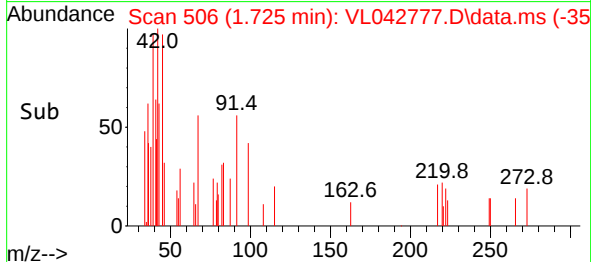
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 1670
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

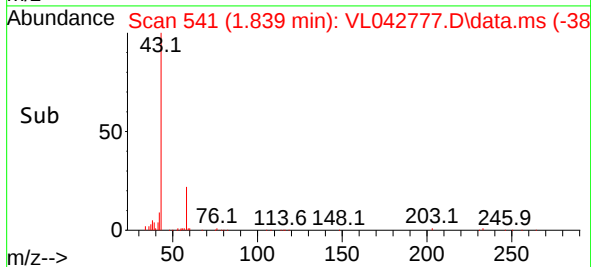
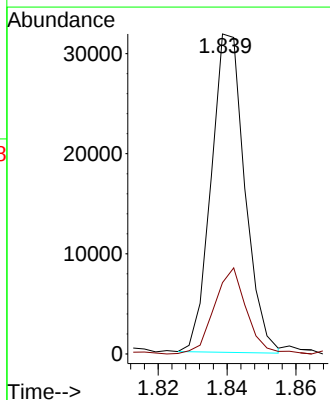
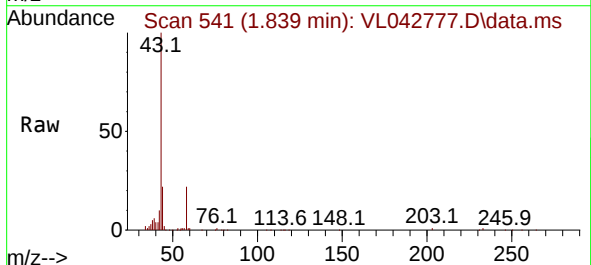
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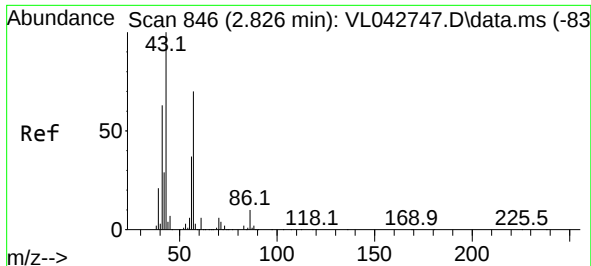
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#15
Acetone
Concen: 1.035 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

Tgt Ion: 43 Resp: 21573
Ion Ratio Lower Upper
43 100
58 27.3 19.8 29.8





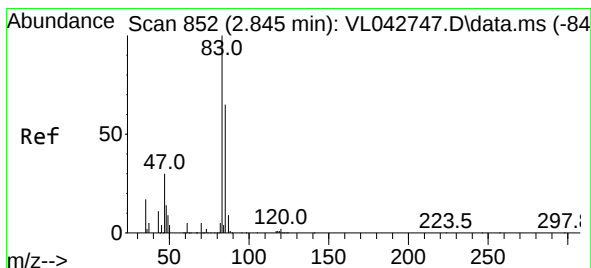
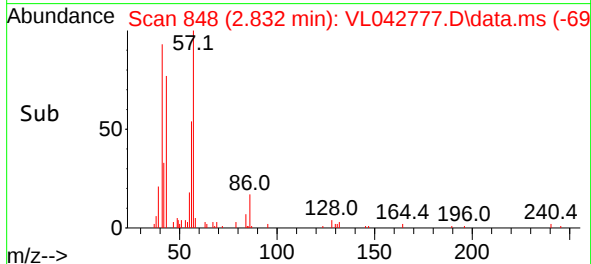
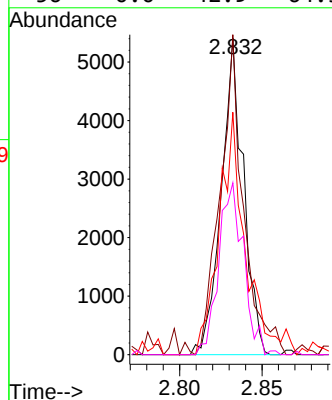
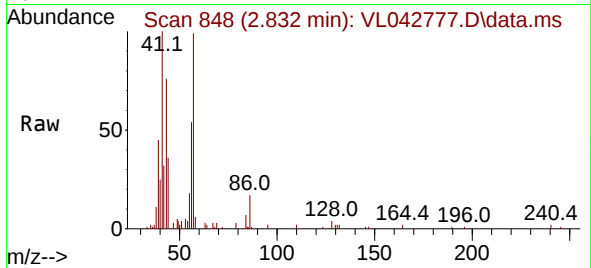
#26
Hexane
Concen: 0.250 ppbv m
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 57 Resp: 5060
Ion Ratio Lower Upper
57 100
41 0.0 75.4 113.2
43 0.0 185.0 277.6
56 0.0 42.9 64.3

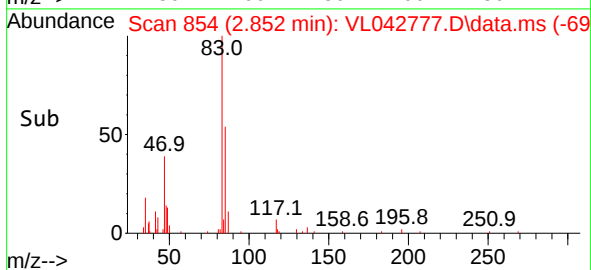
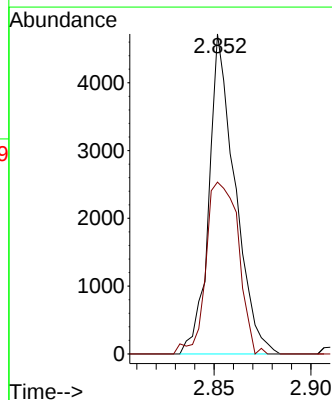
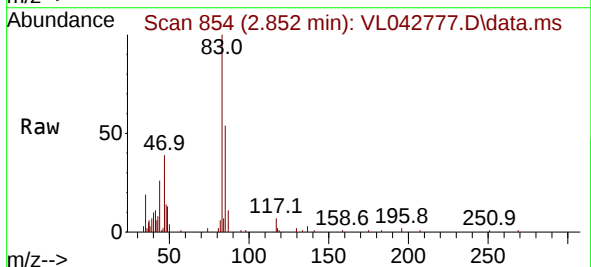
Manual Integrations
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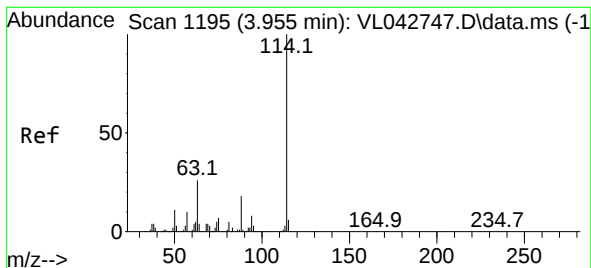
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#29
Chloroform
Concen: 0.142 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042777.D
Acq: 29 Jul 2025 11:26

Tgt Ion: 83 Resp: 4427
Ion Ratio Lower Upper
83 100
85 53.7 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042777.D

Acq: 29 Jul 2025 11:26

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 41673

Ion Ratio Lower Upper

114 100

63 25.8 20.5 30.7

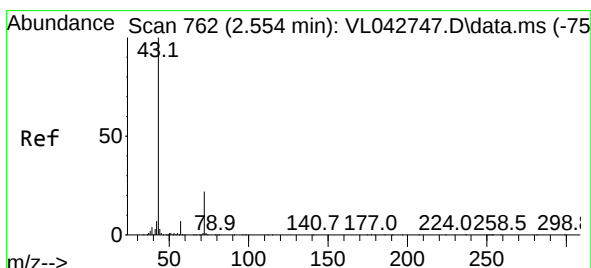
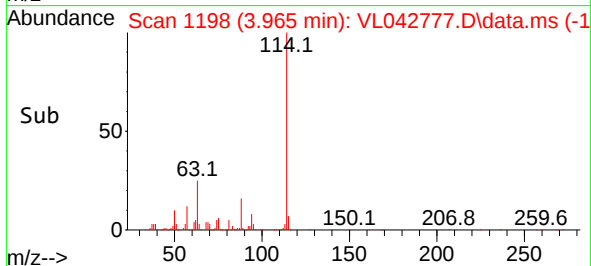
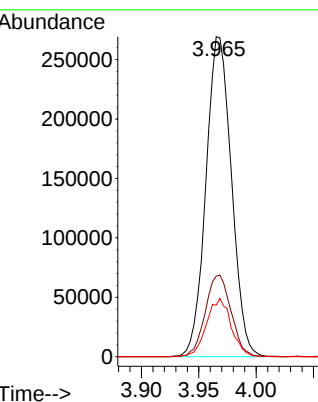
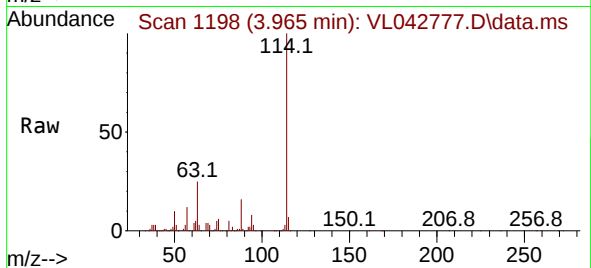
88 17.6 14.0 21.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#34

2-Butanone

Concen: 0.156 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042777.D

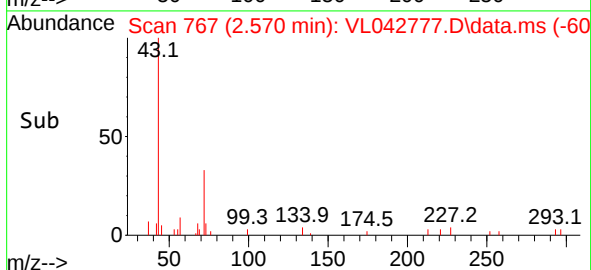
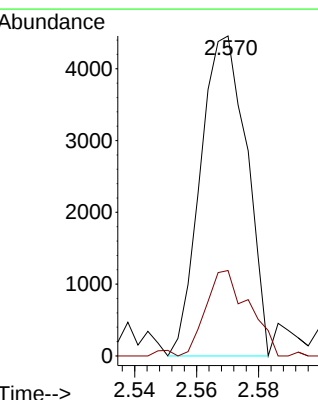
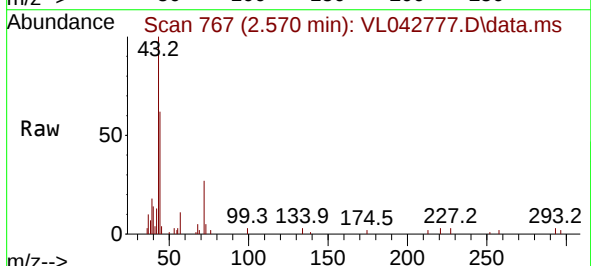
Acq: 29 Jul 2025 11:26

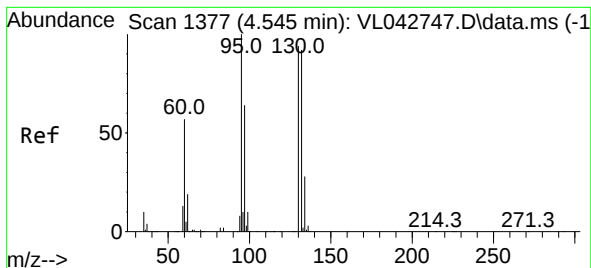
Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

72 27.4 17.4 26.0#





#38

Trichloroethene

Concen: 0.233 ppbv m

RT: 4.554 min Scan# 1377

Delta R.T. 0.010 min

Lab File: VL042777.D

Acq: 29 Jul 2025 11:26

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:130 Resp: 4410

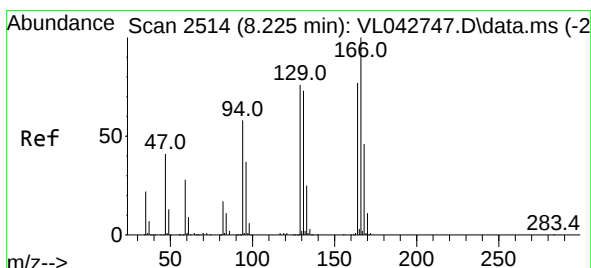
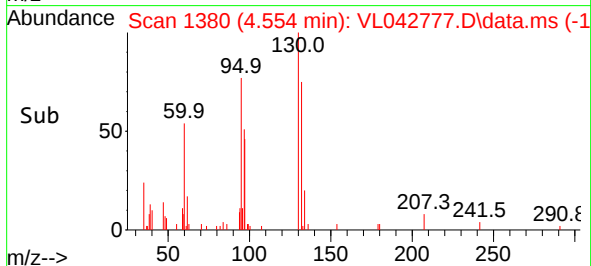
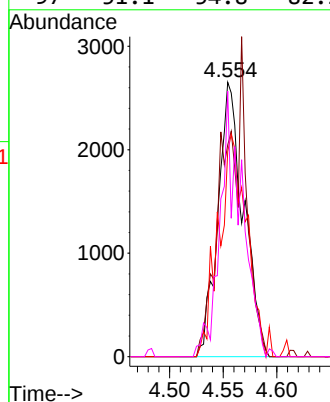
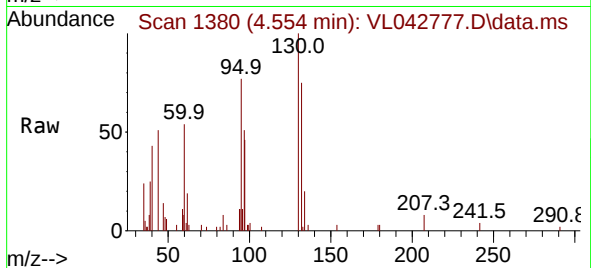
Ion	Ratio	Lower	Upper
130	100		
95	77.1	85.4	128.2
132	74.7	78.2	117.2
97	51.1	54.8	82.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#52

Tetrachloroethene

Concen: 5.570 ppbv

RT: 8.234 min Scan# 2517

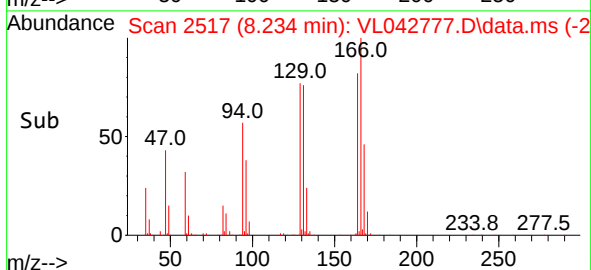
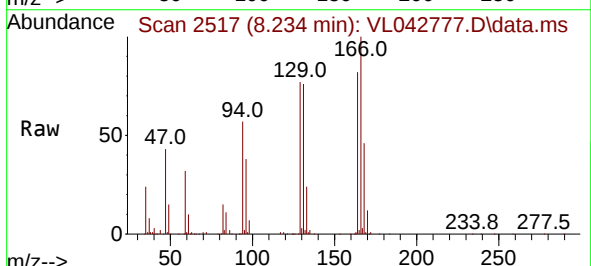
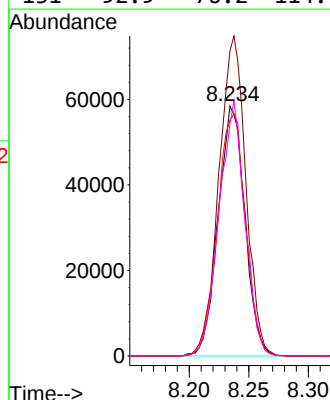
Delta R.T. 0.010 min

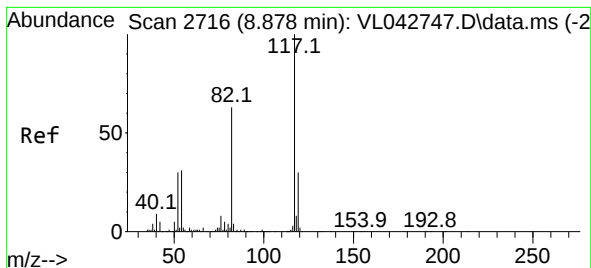
Lab File: VL042777.D

Acq: 29 Jul 2025 11:26

Tgt Ion:164 Resp: 91193

Ion	Ratio	Lower	Upper
164	100		
166	122.2	104.0	156.0
129	94.4	79.2	118.8
131	92.9	76.2	114.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042777.D

Acq: 29 Jul 2025 11:26

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

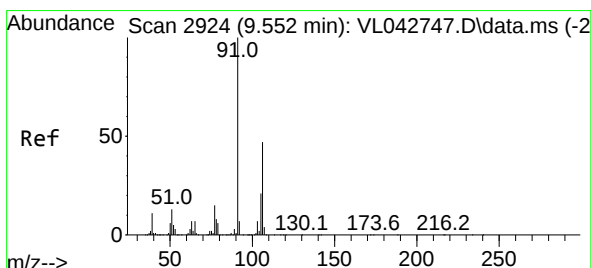
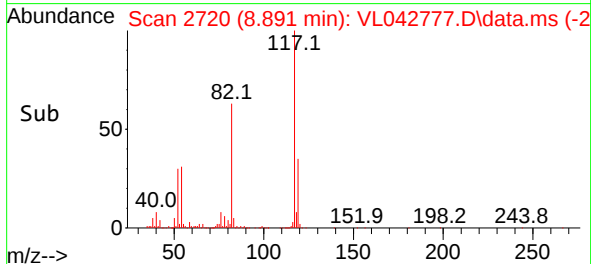
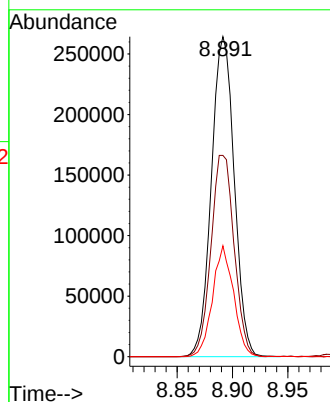
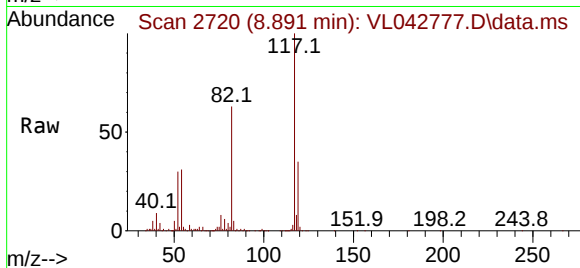
Tgt Ion:	117	Resp:	37961
Ion Ratio	Lower	Upper	
117	100		
82	63.8	53.3	79.9
119	32.0	25.8	38.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/30/2025

Supervised By :Mahesh Dadoda 07/30/2025



#59

m/p-Xylene

Concen: 0.112 ppbv m

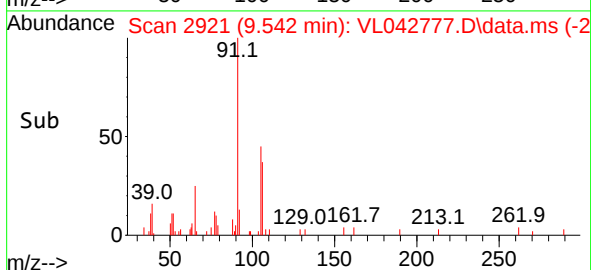
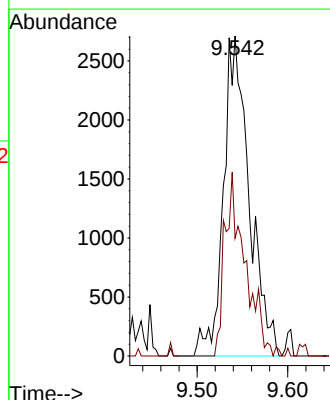
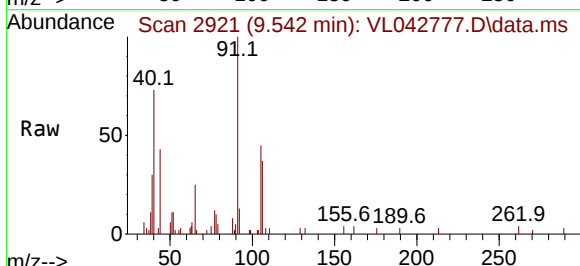
RT: 9.542 min Scan# 2921

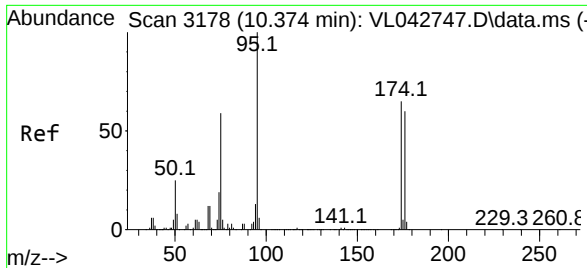
Delta R.T. -0.010 min

Lab File: VL042777.D

Acq: 29 Jul 2025 11:26

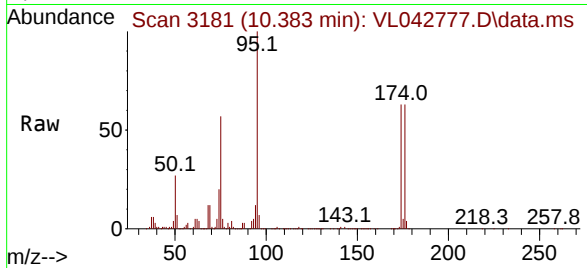
Tgt Ion:	91	Resp:	5374
Ion Ratio	Lower	Upper	
91	100		
106	0.0	37.4	56.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.210 ppbv
 RT: 10.383 min Scan# 3178
 Delta R.T. 0.010 min
 Lab File: VL042777.D
 Acq: 29 Jul 2025 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 306954
 Ion Ratio Lower Upper
 95 100
 174 65.6 53.8 80.6
 175 4.9 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

