

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042903.D
 Acq On : 08 Sep 2025 14:19
 Operator : SY/MD
 Sample : Q3038-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/09/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:56:29 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	143276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	361706	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.878	117	297866	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	219883	9.843	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
3) Chlorodifluoromethane	1.473	51	55582	2.395	ppbv	94
9) Propene	1.483	41	4920	0.491	ppbv	98
13) Ethanol	1.722	45	9793	10.685	ppbv #	32
15) Acetone	1.835	43	53934	2.846	ppbv	98
19) Isopropyl Alcohol	1.887	45	55005	4.859	ppbv #	37
20) Methylene Chloride	2.062	84	4628	0.583	ppbv	89
26) Hexane	2.826	57	7824	0.370	ppbv #	47
34) 2-Butanone	2.557	43	33068	1.354	ppbv	98
38) Trichloroethene	4.532	130	785m	0.050	ppbv	
52) Tetrachloroethene	8.221	164	55805	4.454	ppbv	93

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

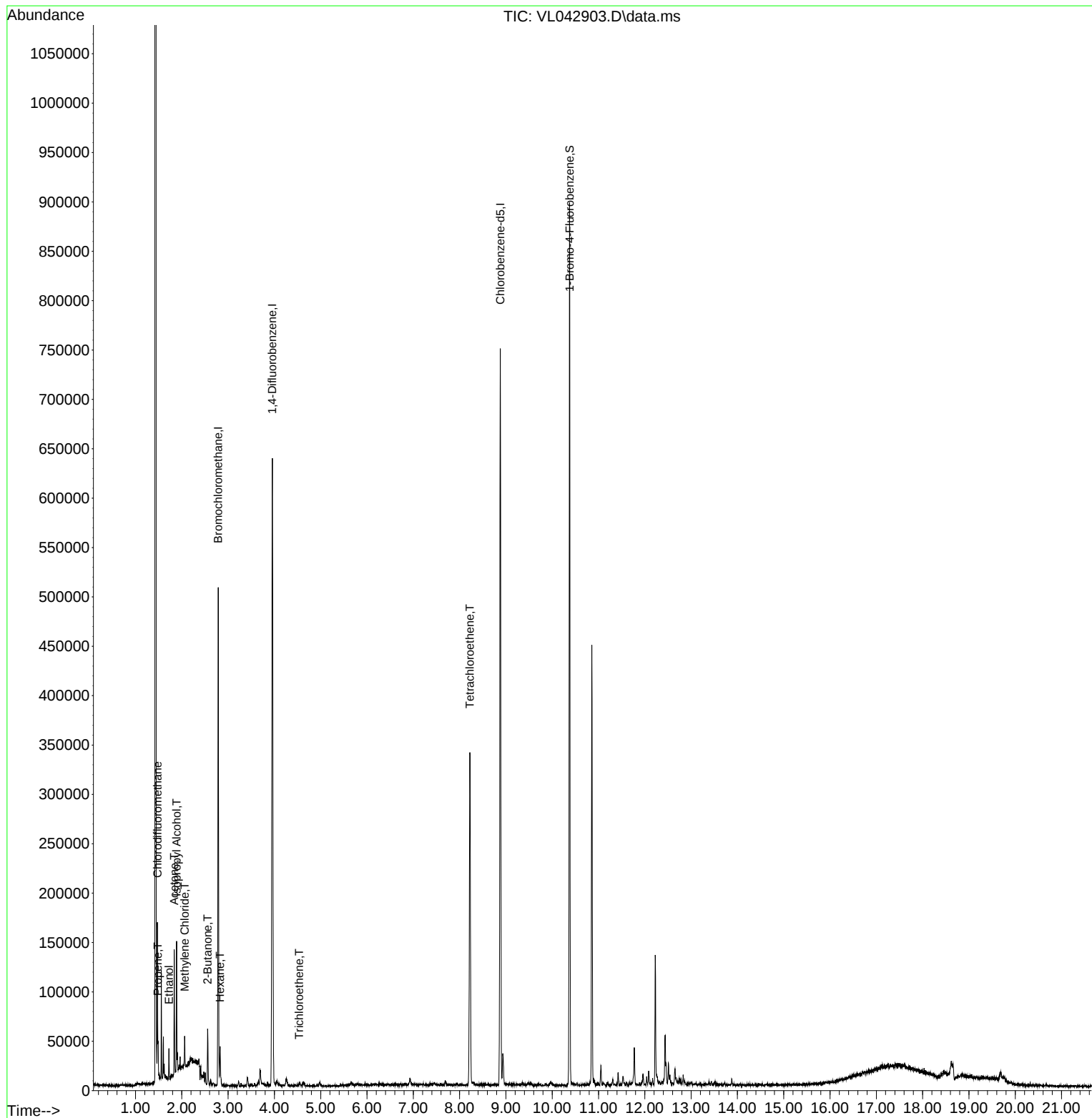
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042903.D
Acq On : 08 Sep 2025 14:19
Operator : SY/MD
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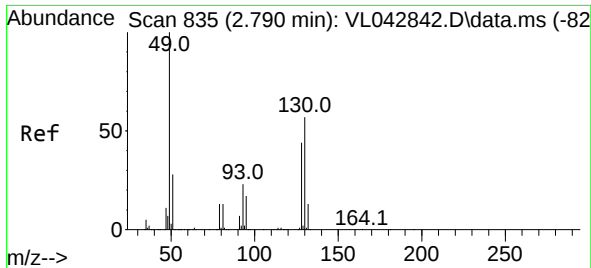
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Quant Time: Sep 09 00:56:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
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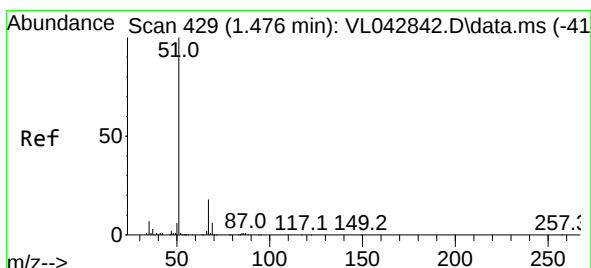
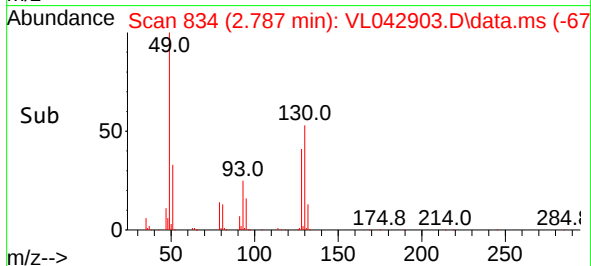
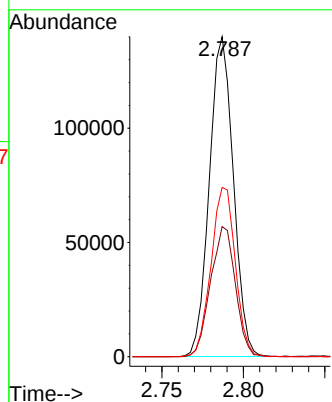
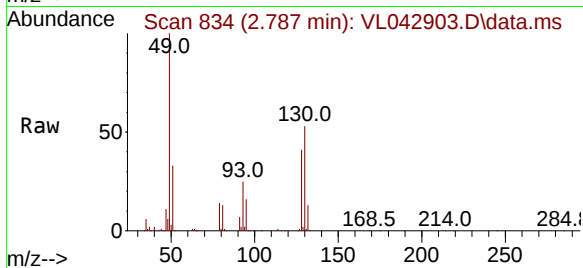
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

Instrument :
MSVOA_L
ClientSampleId :
SV-1

Tgt Ion: 49 Resp: 143270
Ion Ratio Lower Upper
49 100
128 42.0 23.7 71.1
130 53.6 30.6 91.6

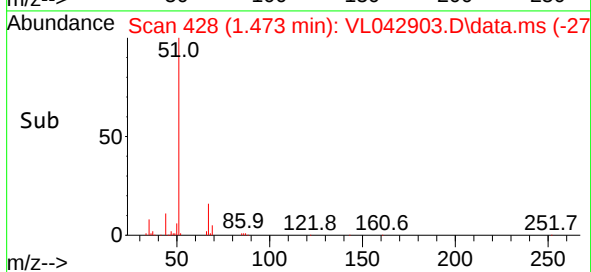
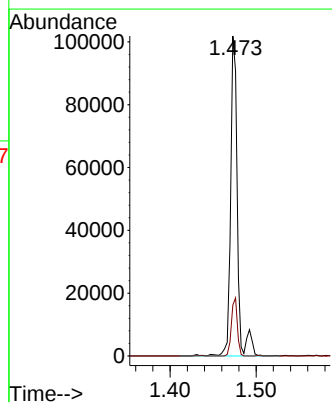
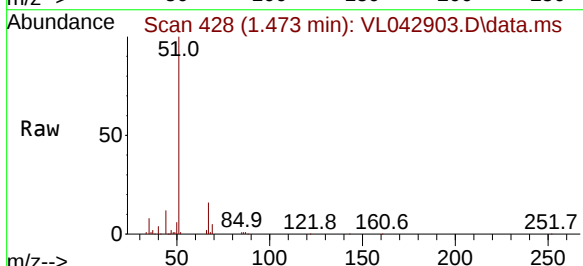
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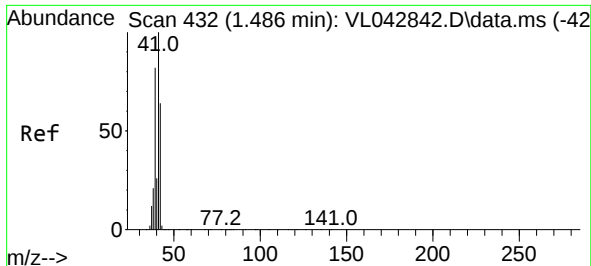
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#3
Chlorodifluoromethane
Concen: 2.395 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

Tgt Ion: 51 Resp: 55582
Ion Ratio Lower Upper
51 100
67 15.8 14.9 22.3





#9

Propene

Concen: 0.491 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042903.D

Acq: 08 Sep 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion: 41 Resp: 4920

Ion Ratio Lower Upper

41 100

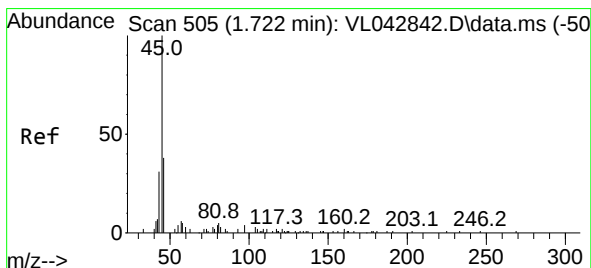
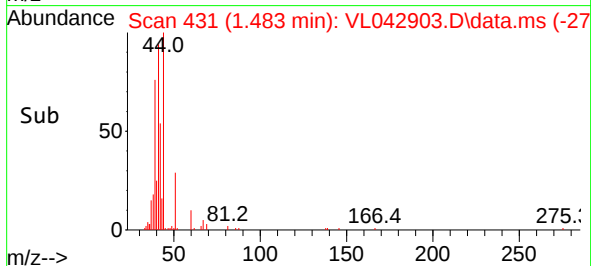
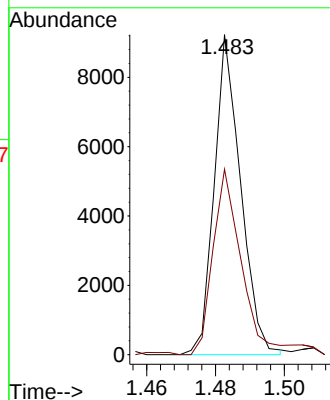
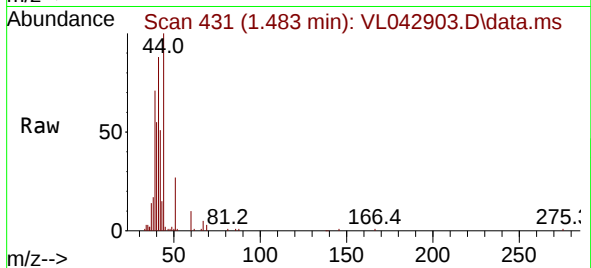
42 68.0 53.0 79.4

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Supervised By :Mahesh Dadoda 09/11/2025



#13

Ethanol

Concen: 10.685 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.006 min

Lab File: VL042903.D

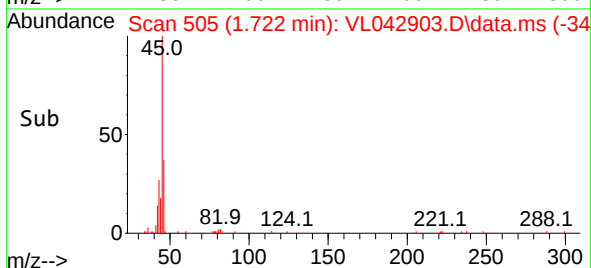
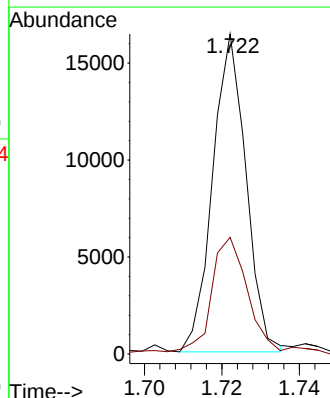
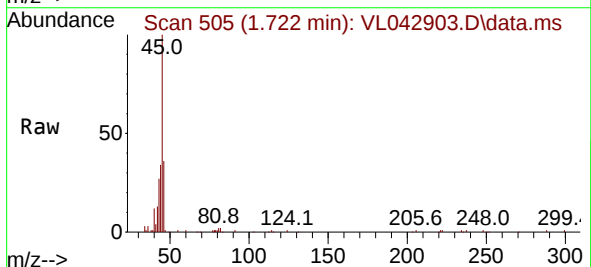
Acq: 08 Sep 2025 14:19

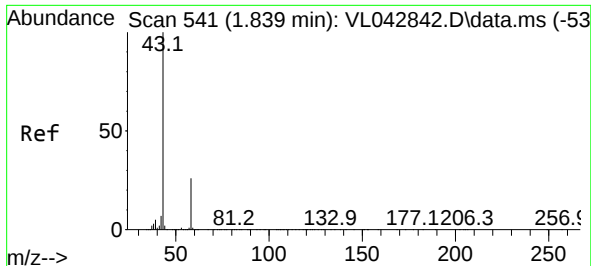
Tgt Ion: 45 Resp: 9793

Ion Ratio Lower Upper

45 100

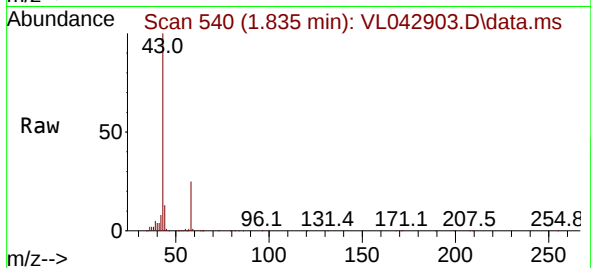
46 0.0 17.5 69.9#





#15
Acetone
Concen: 2.846 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

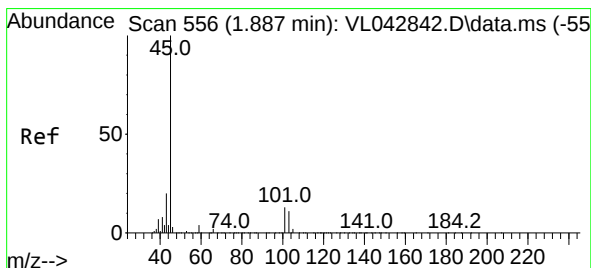
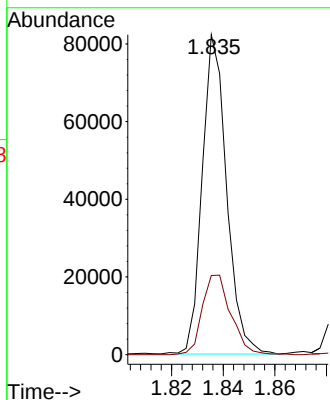
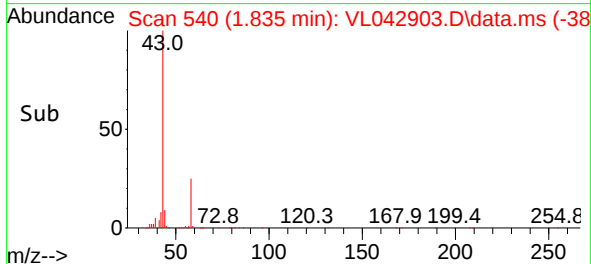
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 43 Resp: 53934
Ion Ratio Lower Upper
43 100
58 29.3 22.4 33.6

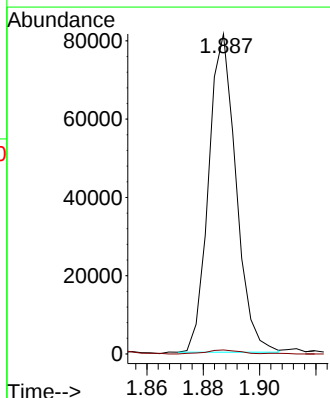
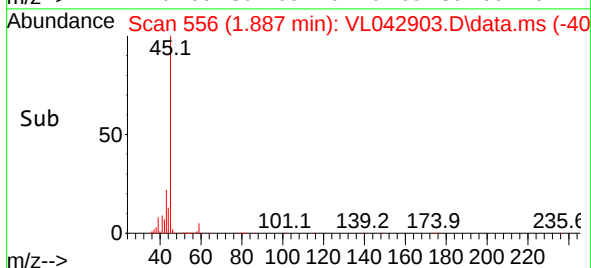
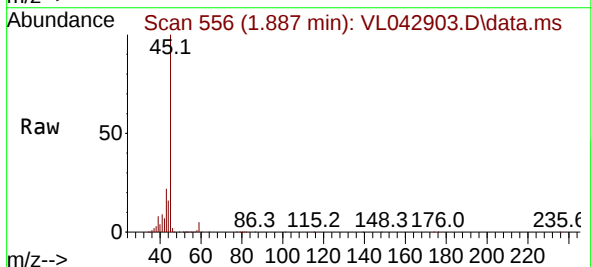
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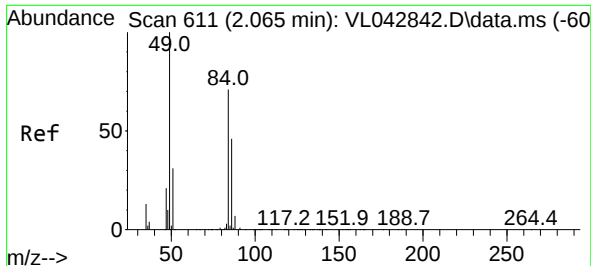
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#19
Isopropyl Alcohol
Concen: 4.859 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.006 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

Tgt Ion: 45 Resp: 55005
Ion Ratio Lower Upper
45 100
58 1.7 32.7 49.1#





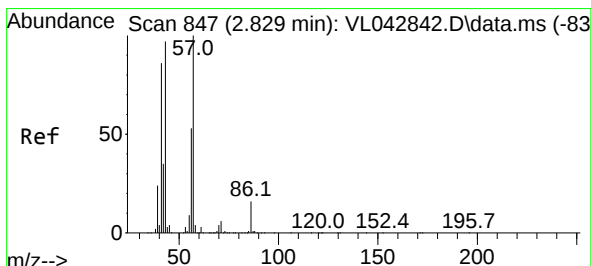
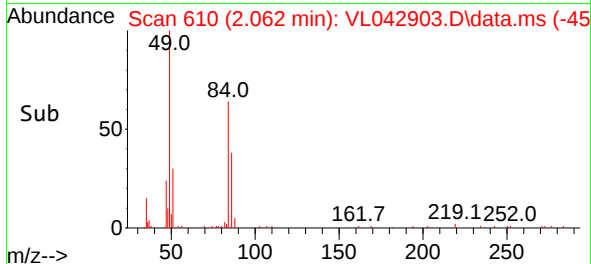
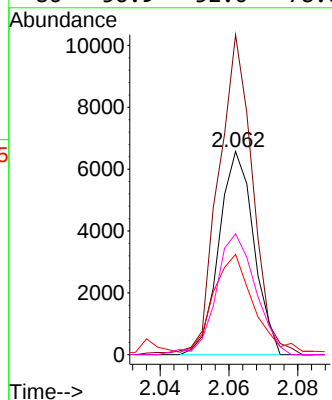
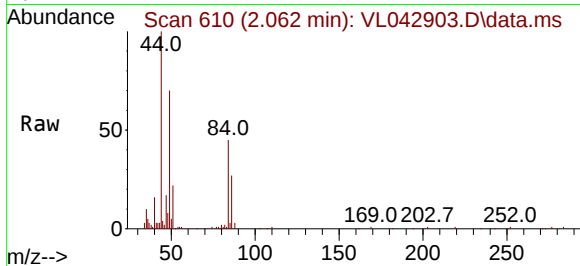
#20
Methylene Chloride
Concen: 0.583 ppbv
RT: 2.062 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

Instrument :
MSVOA_L
ClientSampleId :
SV-1

Tgt Ion: 84 Resp: 4628
Ion Ratio Lower Upper
84 100
49 155.6 112.3 168.5
51 48.2 36.0 54.0
86 56.9 52.0 78.0

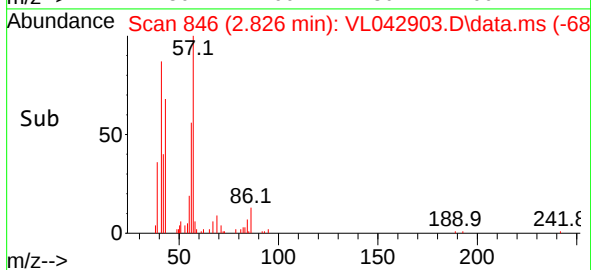
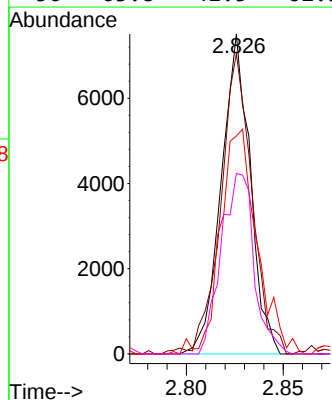
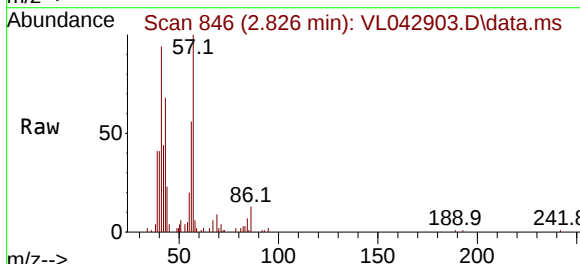
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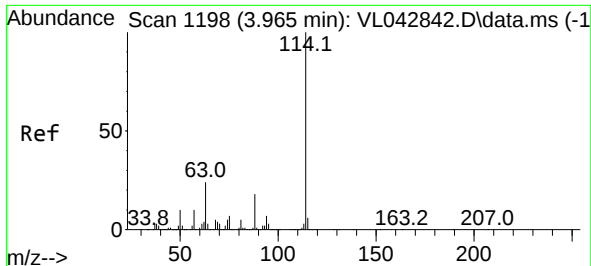
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#26
Hexane
Concen: 0.370 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.010 min
Lab File: VL042903.D
Acq: 08 Sep 2025 14:19

Tgt Ion: 57 Resp: 7824
Ion Ratio Lower Upper
57 100
41 102.4 68.6 103.0
43 90.7 168.5 252.7#
56 63.8 41.5 62.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.013 min

Lab File: VL042903.D

Acq: 08 Sep 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

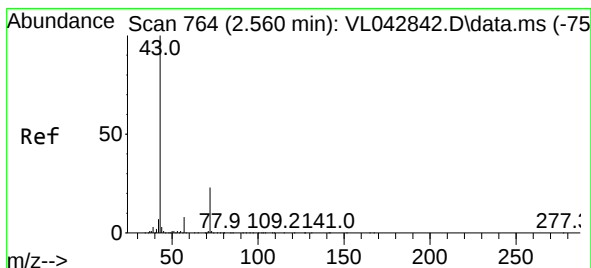
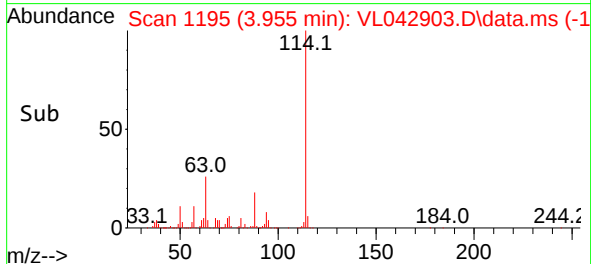
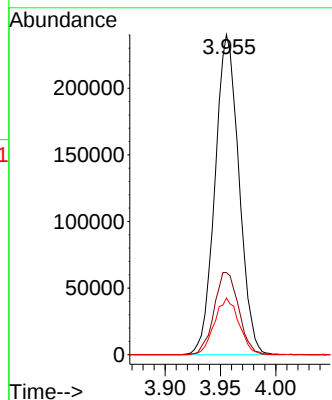
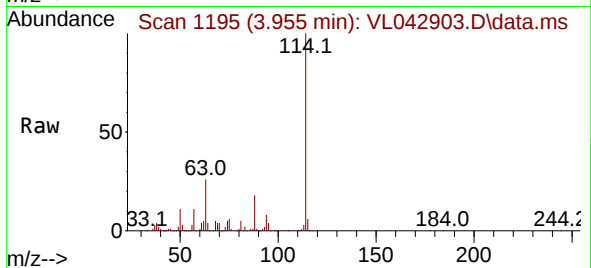
SV-1

Tgt Ion:114	Resp: 361700
Ion Ratio	Lower Upper
114 100	
63 26.4	19.7 29.5
88 18.1	14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025
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#34

2-Butanone

Concen: 1.354 ppbv

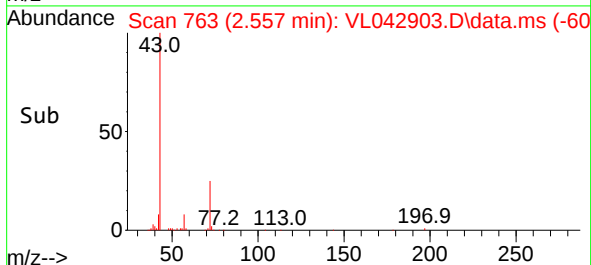
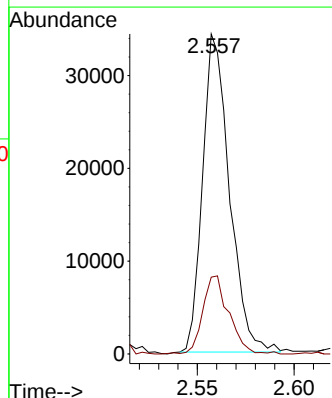
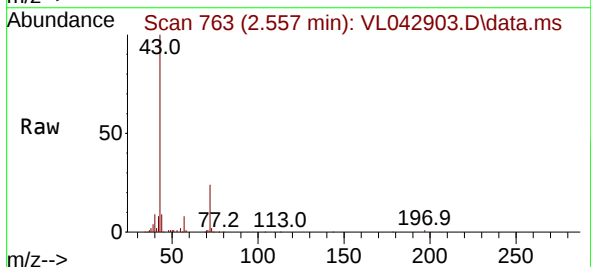
RT: 2.557 min Scan# 763

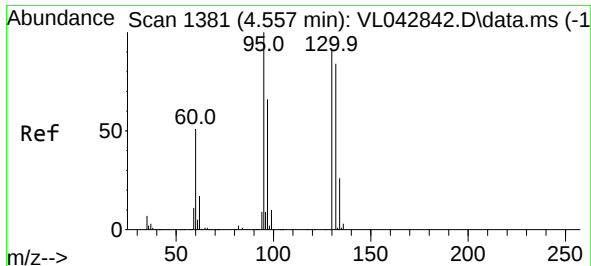
Delta R.T. 0.010 min

Lab File: VL042903.D

Acq: 08 Sep 2025 14:19

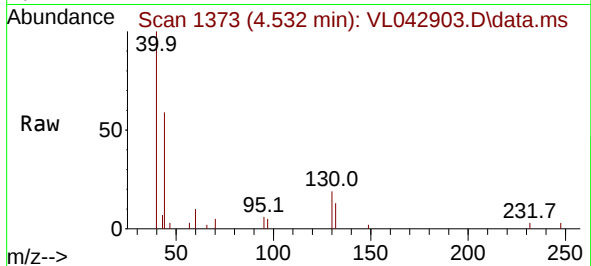
Tgt Ion: 43	Resp: 33068
Ion Ratio	Lower Upper
43 100	
72 24.2	18.6 28.0





#38
 Trichloroethene
 Concen: 0.050 ppbv m
 RT: 4.532 min Scan# 1373
 Delta R.T. -0.000 min
 Lab File: VL042903.D
 Acq: 08 Sep 2025 14:19

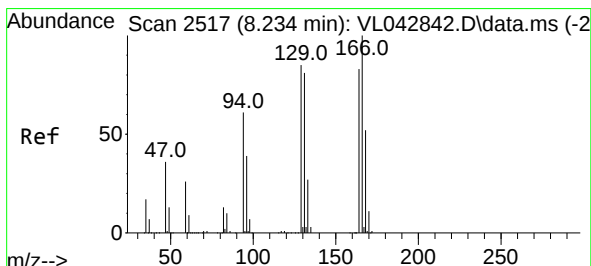
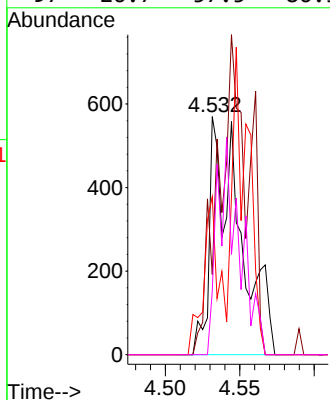
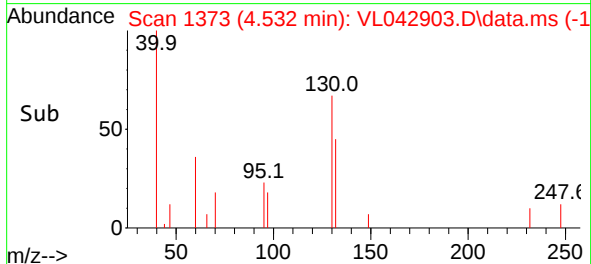
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1



Tgt Ion:130 Resp: 785
 Ion Ratio Lower Upper
 130 100
 95 33.7 87.6 131.4
 132 66.3 73.8 110.8
 97 26.7 57.5 86.3

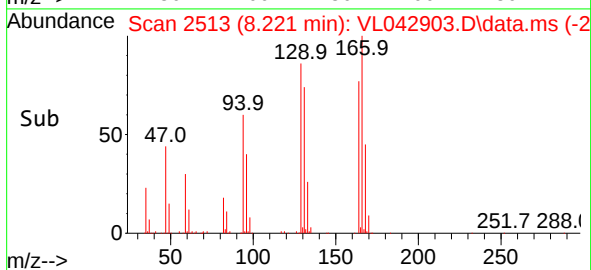
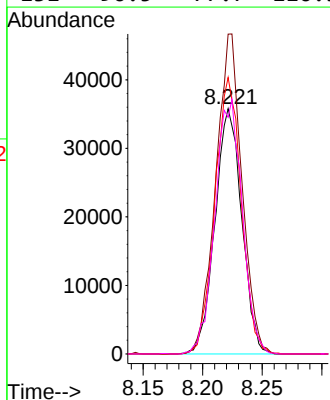
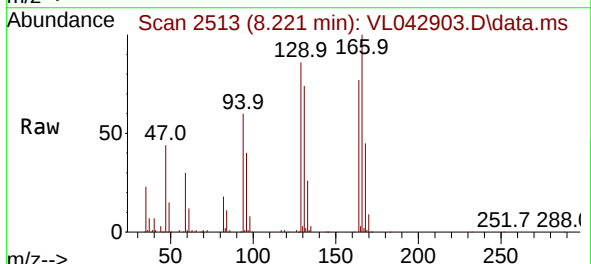
Manual Integrations
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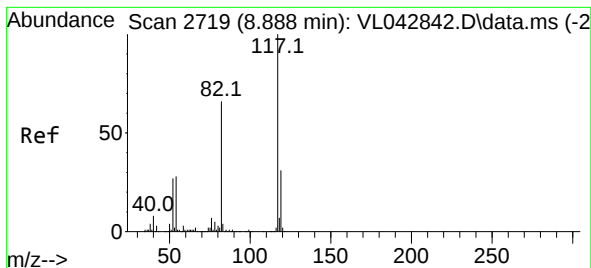
Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#52
 Tetrachloroethene
 Concen: 4.454 ppbv
 RT: 8.221 min Scan# 2513
 Delta R.T. 0.010 min
 Lab File: VL042903.D
 Acq: 08 Sep 2025 14:19

Tgt Ion:164 Resp: 55805
 Ion Ratio Lower Upper
 164 100
 166 130.4 96.5 144.7
 129 112.8 81.8 122.6
 131 96.5 77.7 116.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042903.D

Acq: 08 Sep 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

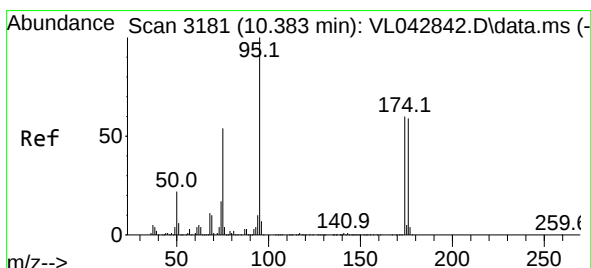
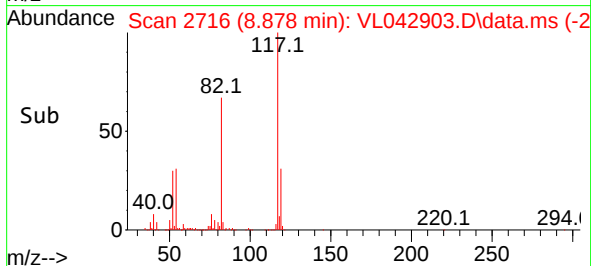
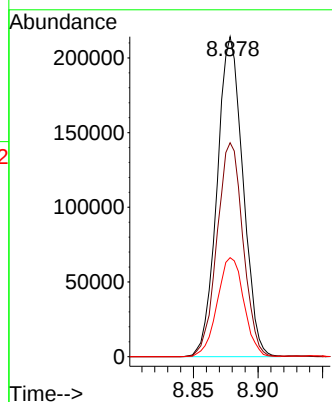
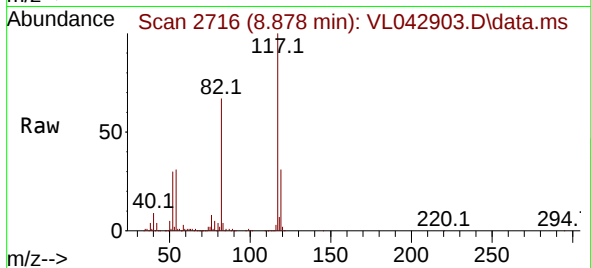
SV-1

Tgt Ion:	117	Resp:	297860
Ion	Ratio	Lower	Upper
117	100		
82	67.4	54.6	81.8
119	32.0	25.9	38.9

Manual Integrations

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Supervised By :Mahesh Dadoda 09/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.843 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.010 min

Lab File: VL042903.D

Acq: 08 Sep 2025 14:19

Tgt Ion:	95	Resp:	219883
Ion	Ratio	Lower	Upper
95	100		
174	55.7	48.4	72.6
175	4.0	3.8	5.8

