

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043268.D
 Acq On : 20 Nov 2025 16:54
 Operator : SY/MD
 Sample : Q3655-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 00:40:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	101802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	271004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	205327	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	146175	9.712	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	943	0.176	ppbv	91
9) Propene	1.483	41	901	0.150	ppbv #	1
13) Ethanol	1.719	45	2891	1.371	ppbv #	38
15) Acetone	1.832	43	68558	4.847	ppbv	98
19) Isopropyl Alcohol	1.884	45	10003	1.252	ppbv #	1
20) Methylene Chloride	2.059	84	4589	0.343	ppbv #	88
26) Hexane	2.823	57	3399	0.254	ppbv #	42
34) 2-Butanone	2.557	43	4785	0.250	ppbv	100
38) Trichloroethene	4.528	130	959m	0.094	ppbv	
52) Tetrachloroethene	8.212	164	53043	5.494	ppbv	96

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

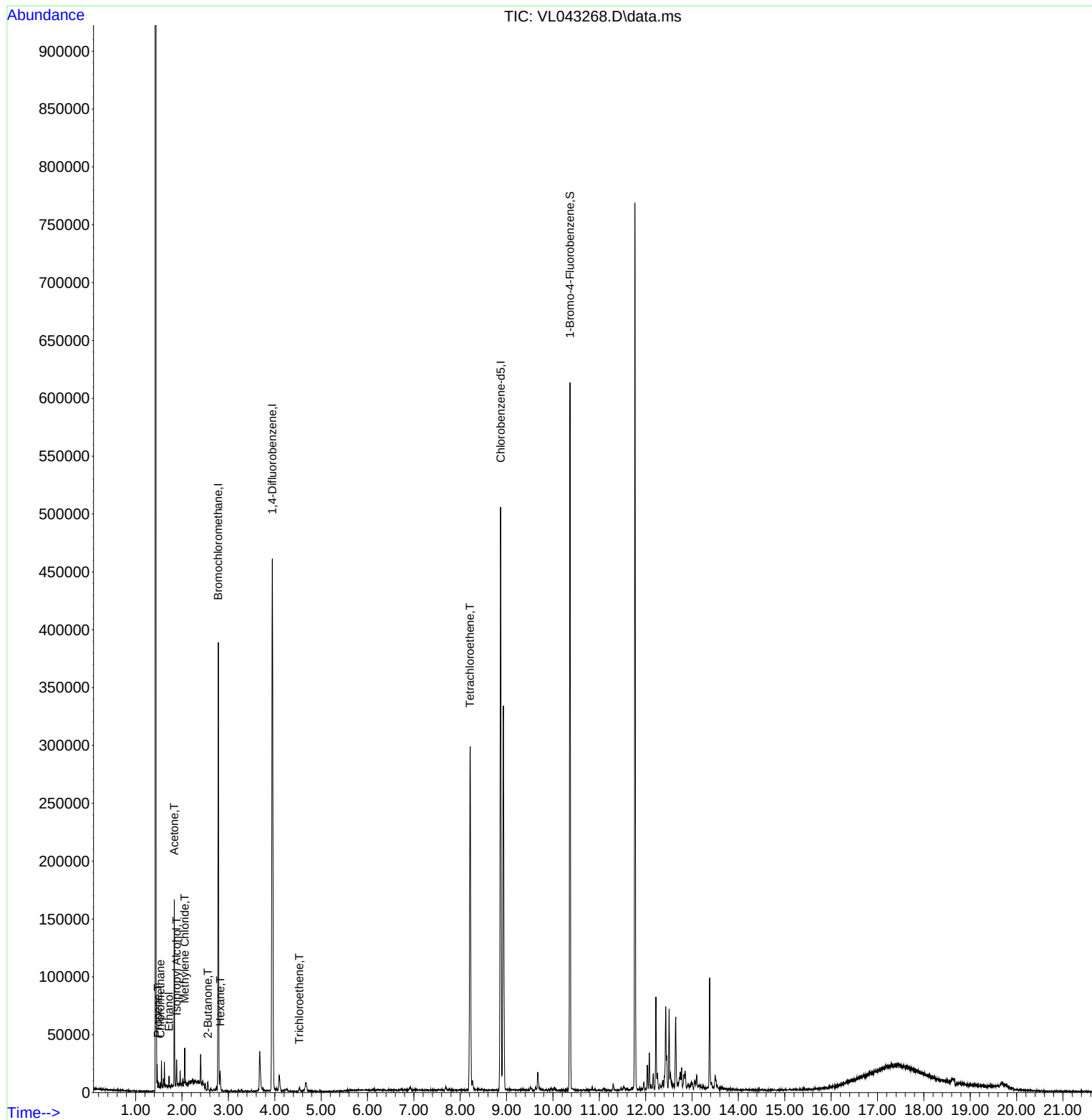
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043268.D
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Operator : SY/MD
Sample : Q3655-02DL 10X
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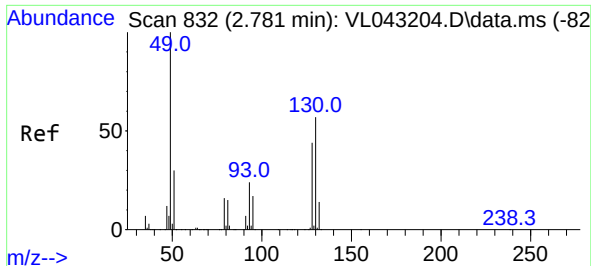
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Nov 21 00:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 11/21/2025





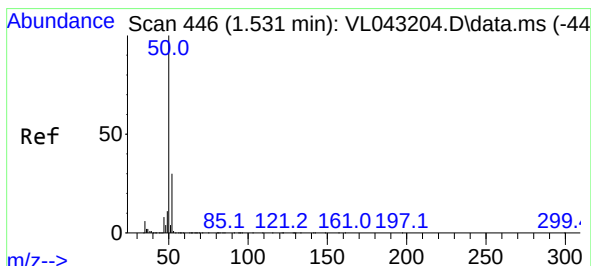
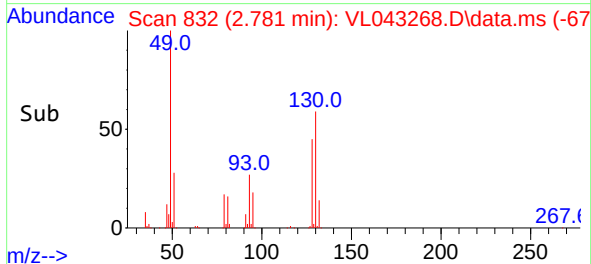
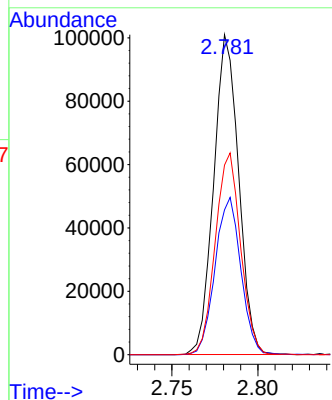
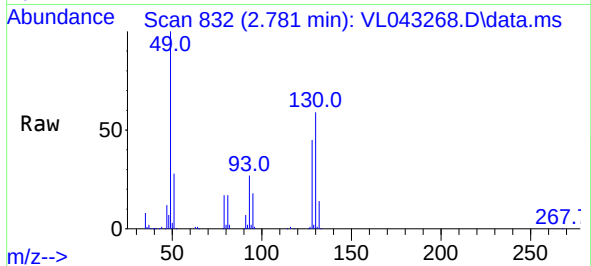
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 49 Resp: 10180
Ion Ratio Lower Upper
49 100
128 51.0 23.0 69.0
130 64.2 29.9 89.7

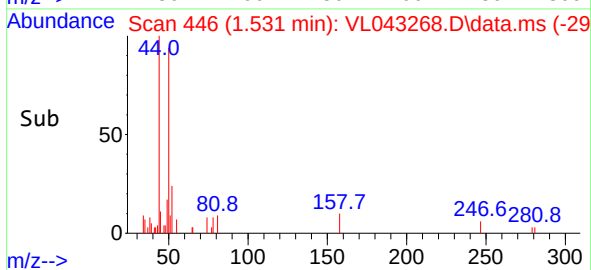
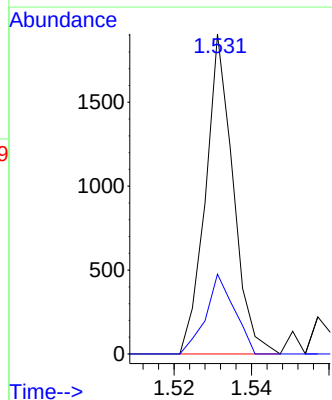
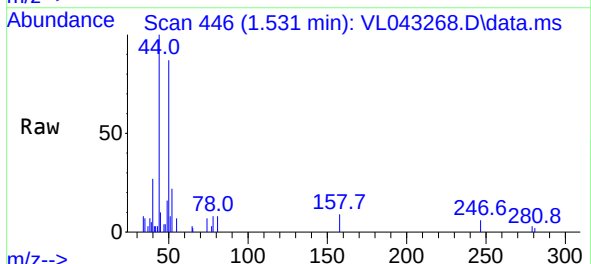
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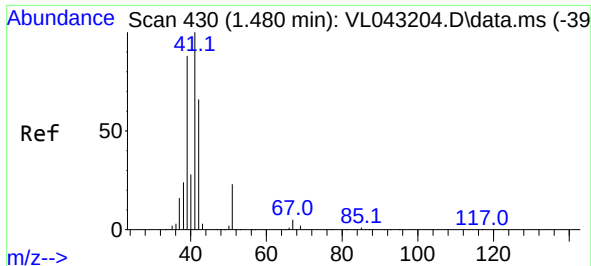
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#4
Chloromethane
Concen: 0.176 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

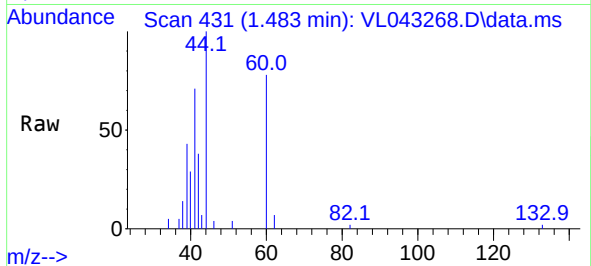
Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 25.0 24.1 36.1





#9
Propene
Concen: 0.150 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

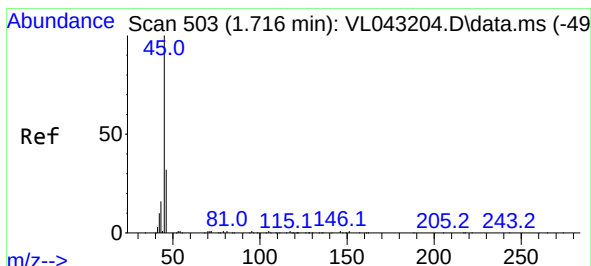
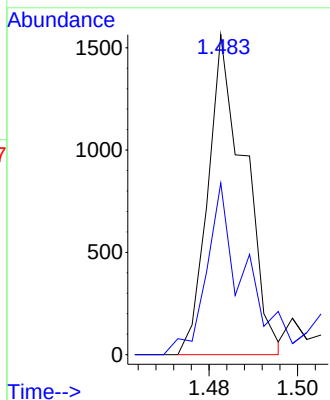
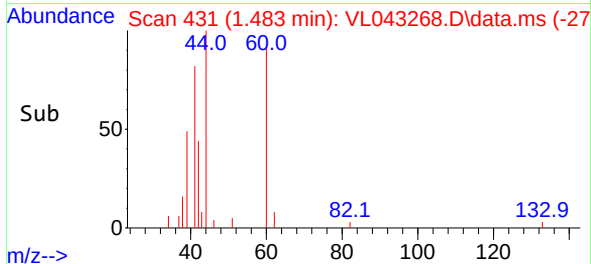
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion: 41 Resp: 90
Ion Ratio Lower Upper
41 100
42 76.0 3.7 5.5

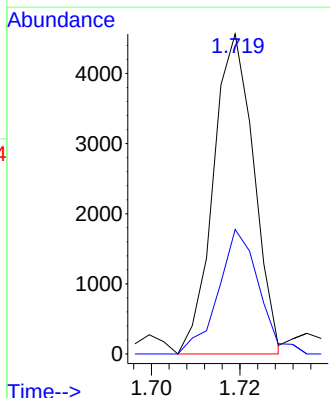
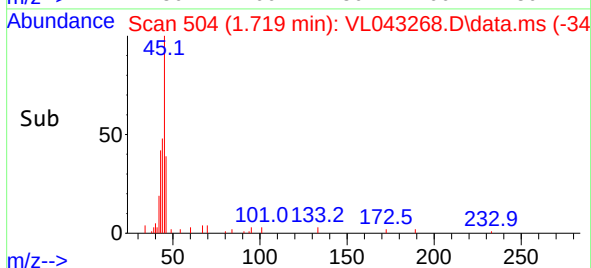
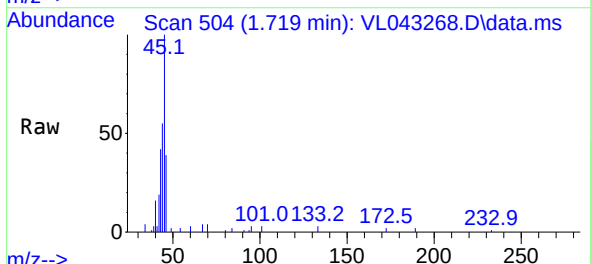
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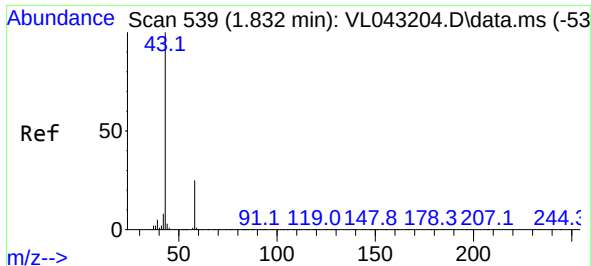
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#13
Ethanol
Concen: 1.371 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

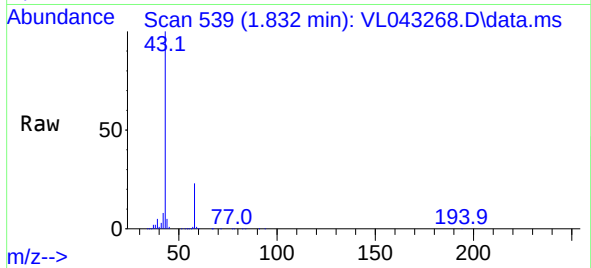
Tgt Ion: 45 Resp: 2891
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#





#15
Acetone
Concen: 4.847 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

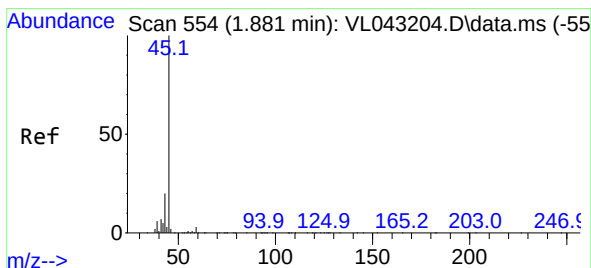
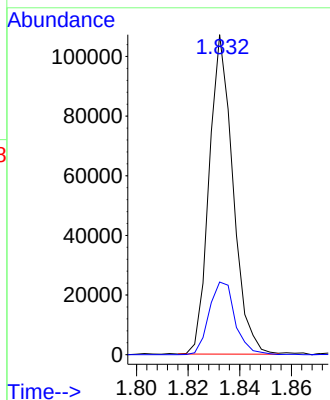
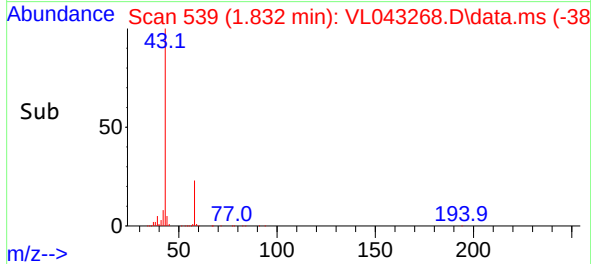
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



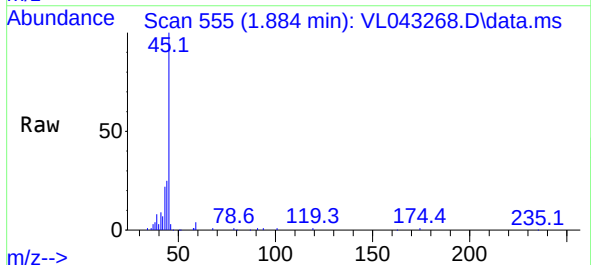
Tgt Ion: 43 Resp: 68558
Ion Ratio Lower Upper
43 100
58 25.0 20.7 31.1

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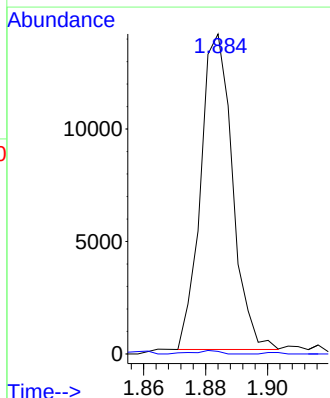
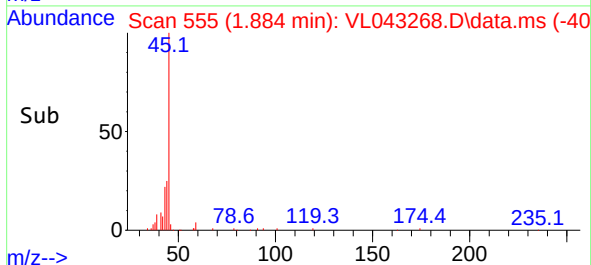
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

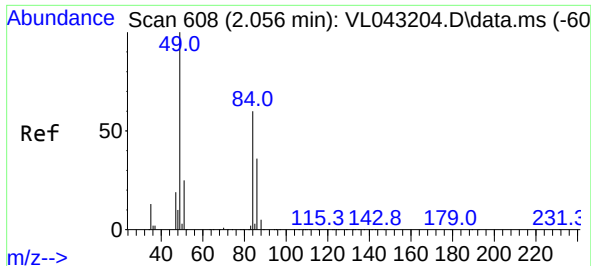


#19
Isopropyl Alcohol
Concen: 1.252 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54



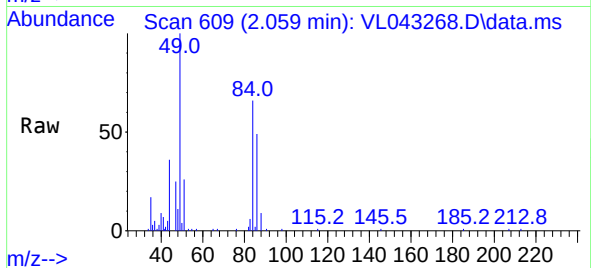
Tgt Ion: 45 Resp: 10003
Ion Ratio Lower Upper
45 100
58 171.2 31.3 46.9#





#20
Methylene Chloride
Concen: 0.343 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

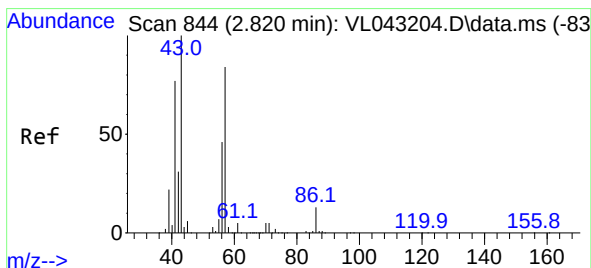
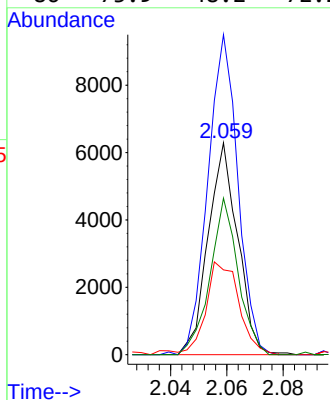
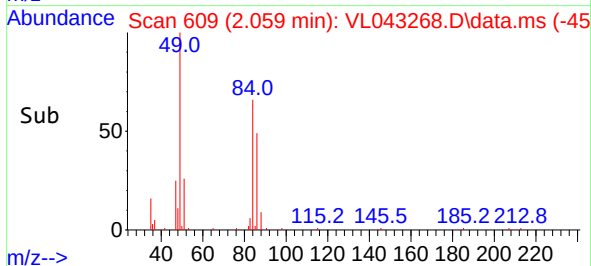
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



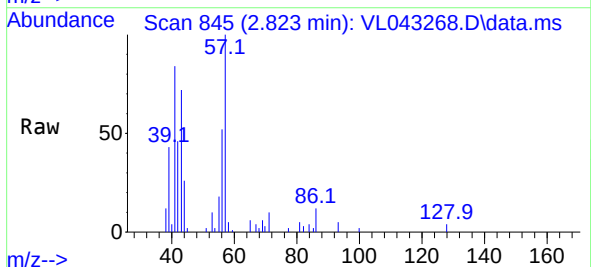
Tgt Ion: 84 Resp: 4589
Ion Ratio Lower Upper
84 100
49 151.0 132.9 199.3
51 40.0 34.8 52.2
86 73.9 48.2 72.2#

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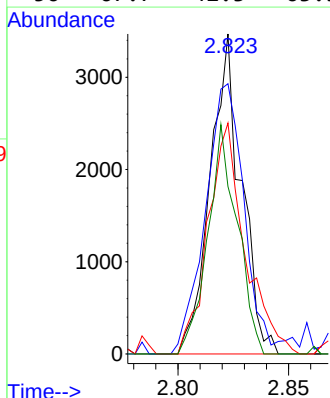
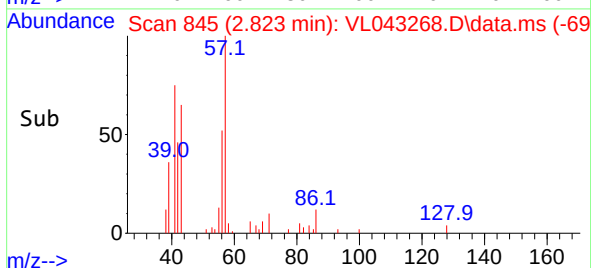
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

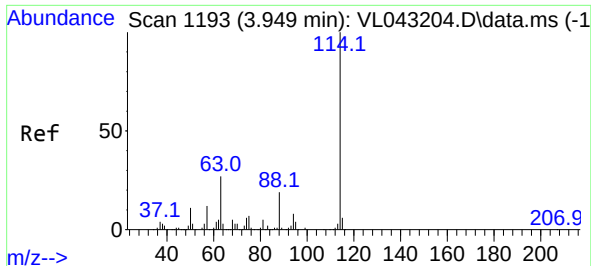


#26
Hexane
Concen: 0.254 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54



Tgt Ion: 57 Resp: 3399
Ion Ratio Lower Upper
57 100
41 110.1 74.6 111.8
43 88.4 179.0 268.4#
56 67.7 42.3 63.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VL043268.D

Acq: 20 Nov 2025 16:54

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

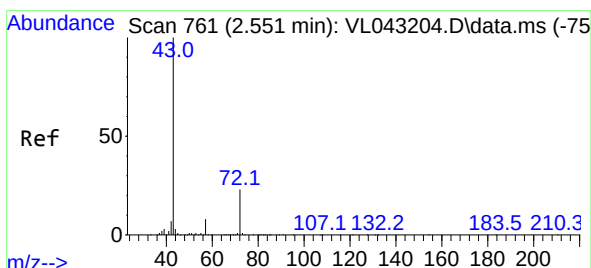
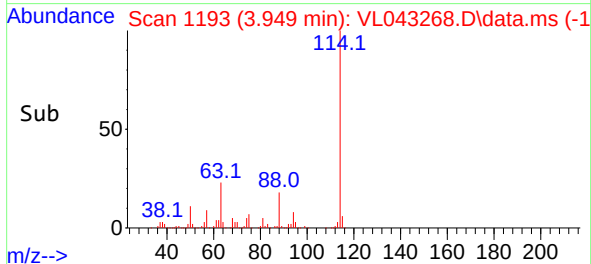
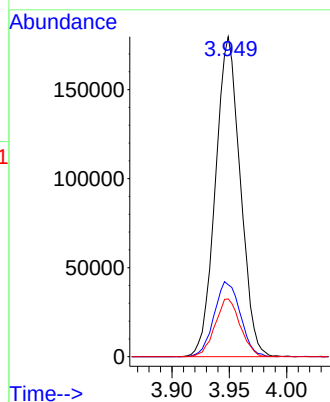
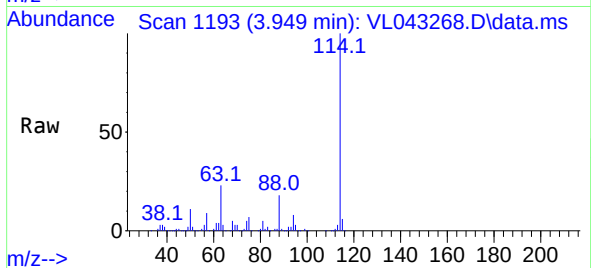
Tgt Ion:114 Resp: 271004

Ion	Ratio	Lower	Upper
114	100		
63	24.7	21.0	31.6
88	18.3	14.9	22.3

Manual Integrations

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#34

2-Butanone

Concen: 0.250 ppbv

RT: 2.557 min Scan# 763

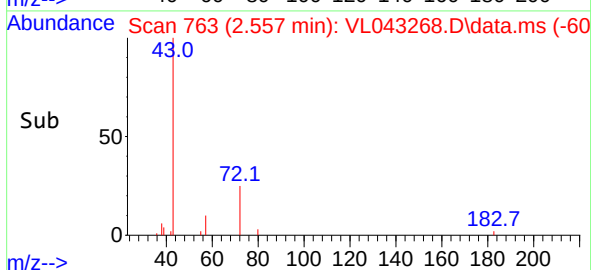
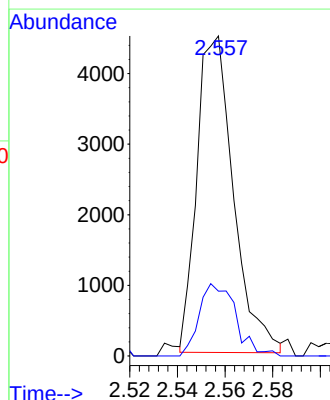
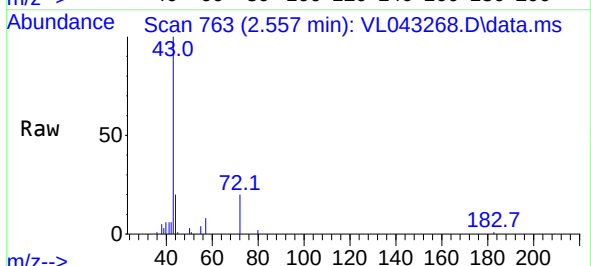
Delta R.T. 0.006 min

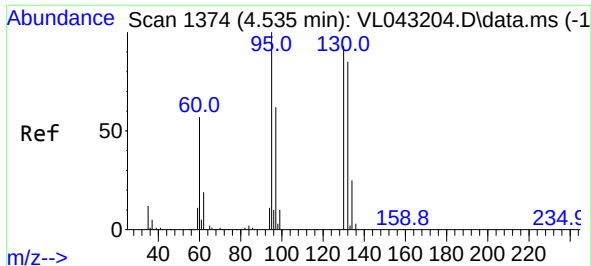
Lab File: VL043268.D

Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 4785

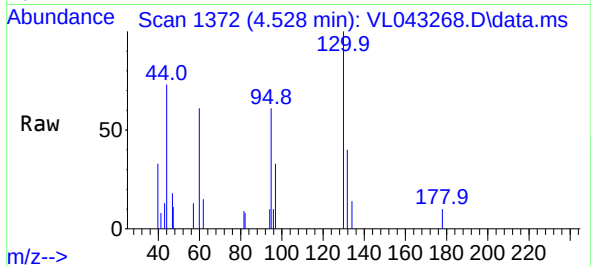
Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.1	27.1





#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 4.528 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

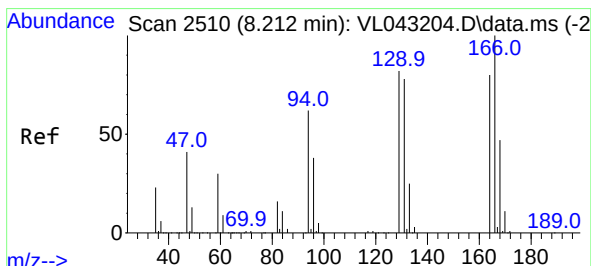
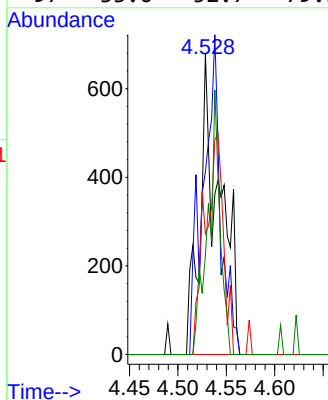
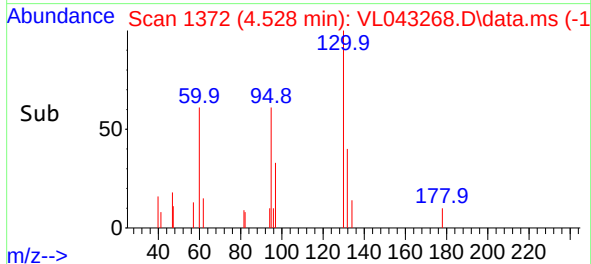
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL



Tgt Ion:130 Resp: 959
Ion Ratio Lower Upper
130 100
95 60.7 85.7 128.5
132 40.1 73.4 110.0
97 33.0 52.7 79.1#

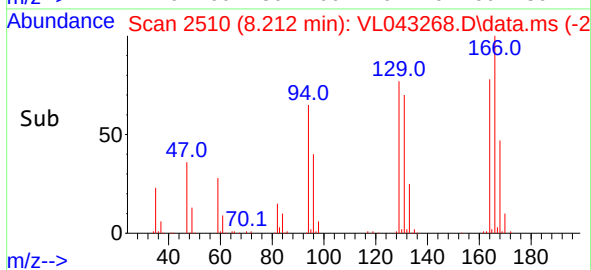
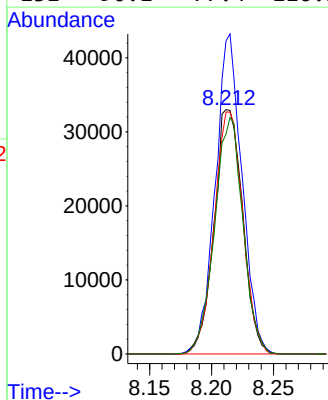
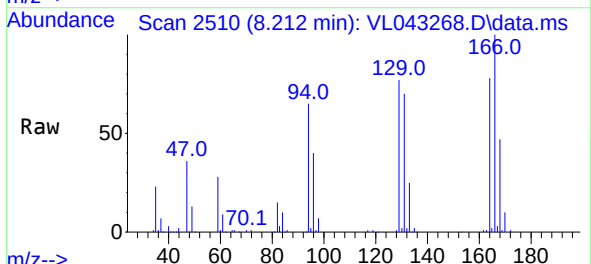
Manual Integrations
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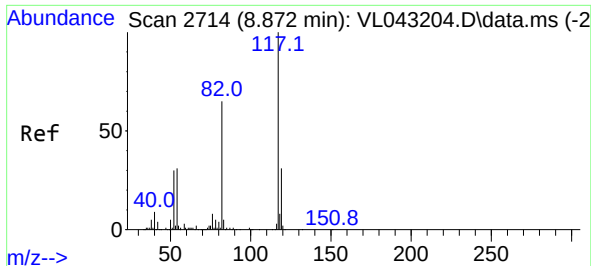
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#52
Tetrachloroethene
Concen: 5.494 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

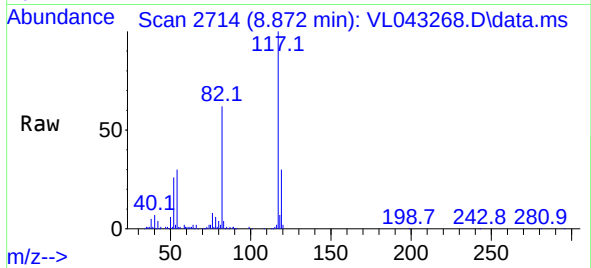
Tgt Ion:164 Resp: 53043
Ion Ratio Lower Upper
164 100
166 128.2 99.4 149.2
129 99.0 81.8 122.8
131 90.1 77.4 116.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

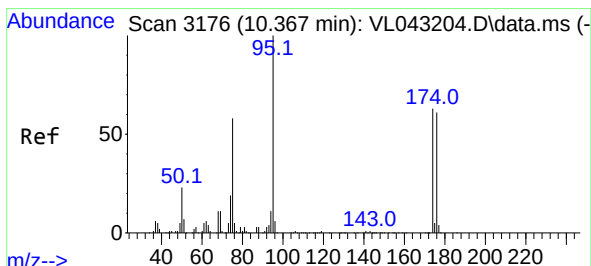
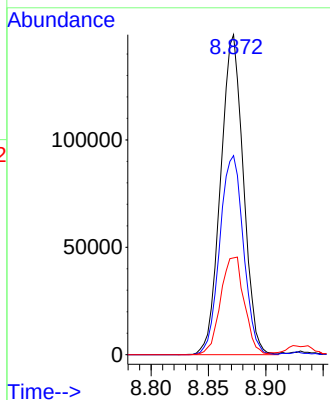
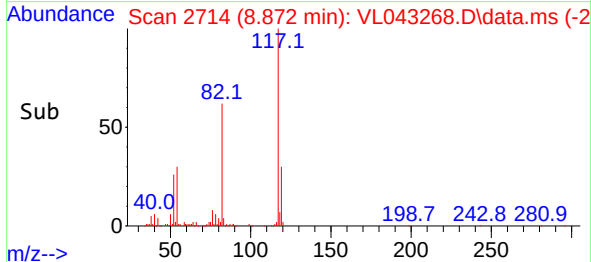
Instrument :
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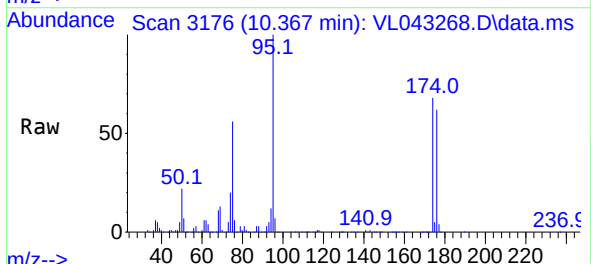
Tgt Ion: 117 Resp: 20532
Ion Ratio Lower Upper
117 100
82 64.9 56.1 84.1
119 32.0 25.0 37.6

Manual Integrations
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Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54



Tgt Ion: 95 Resp: 146175
Ion Ratio Lower Upper
95 100
174 66.0 50.2 75.2
175 4.9 4.1 6.1

