

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043329.D
 Acq On : 09 Dec 2025 00:38
 Operator : SY/MD
 Sample : Q3798-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 01:27:13 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	2.784	49	136060	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	343692	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	270053	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	203754	10.293	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	2304	0.120	ppbv	89
3) Chlorodifluoromethane	1.470	51	2426m	0.129	ppbv	
9) Propene	1.483	41	6918	0.863	ppbv #	1
13) Ethanol	1.719	45	6121	2.172	ppbv #	38
15) Acetone	1.832	43	22914	1.212	ppbv	98
20) Methylene Chloride	2.059	84	6969	0.506	ppbv	93
29) Chloroform	2.842	83	1292956	50.891	ppbv	95
52) Tetrachloroethene	8.215	164	678m	0.055	ppbv	
53) Toluene	6.917	91	5958m	0.153	ppbv	
59) m/p-Xylene	9.516	91	5263m	0.126	ppbv	
74) 1,2,4-Trimethylbenzene	11.523	105	4924	0.106	ppbv #	47

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

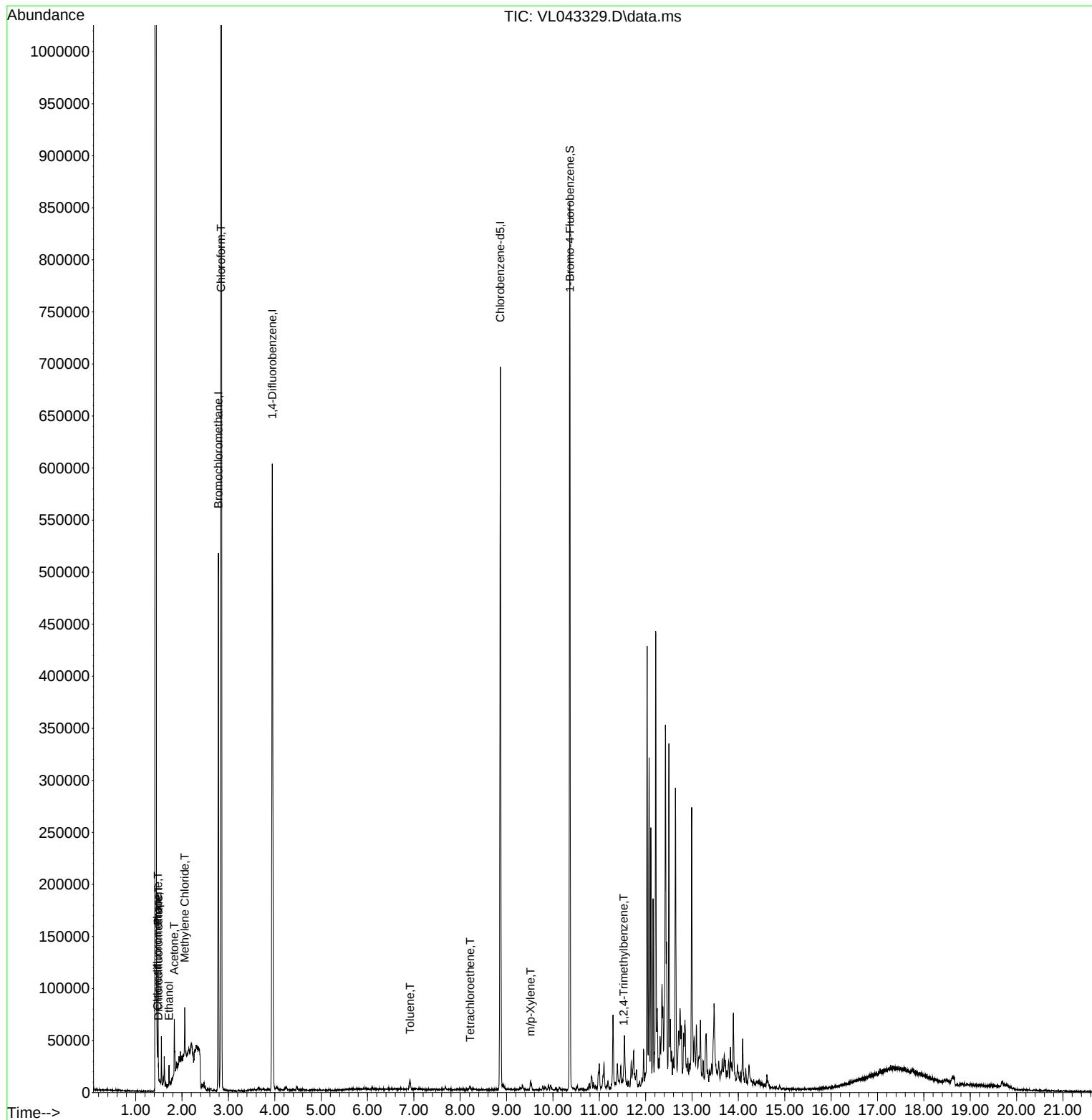
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043329.D
Acq On : 09 Dec 2025 00:38
Operator : SY/MD
Sample : Q3798-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

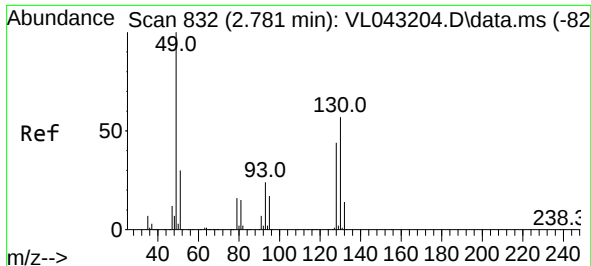
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Dec 09 01:27:13 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

Manual Integrations
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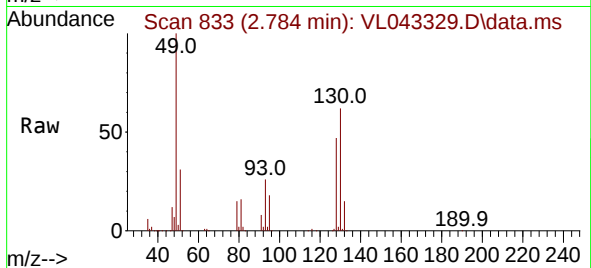
Reviewed By : Semsettin Yesilyurt 12/09/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

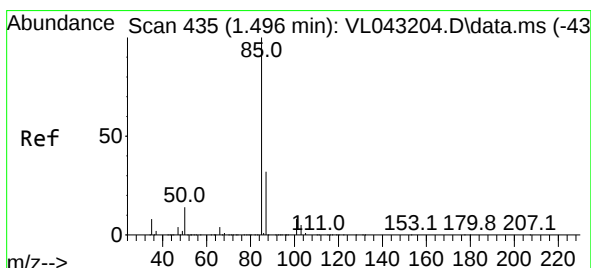
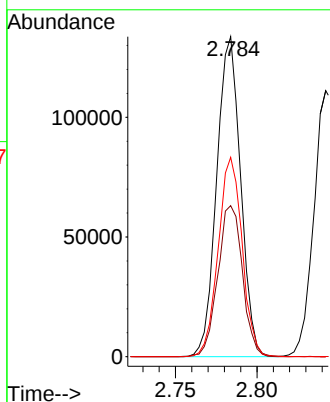
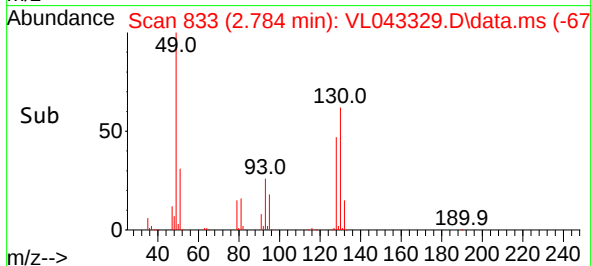
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 136060
Ion Ratio Lower Upper
49 100
128 48.6 23.0 69.0
130 62.3 29.9 89.7

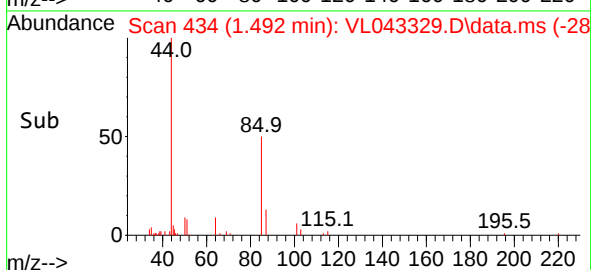
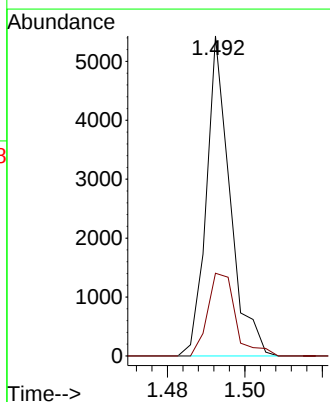
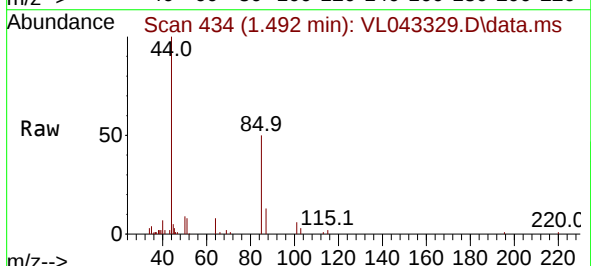
Manual Integrations
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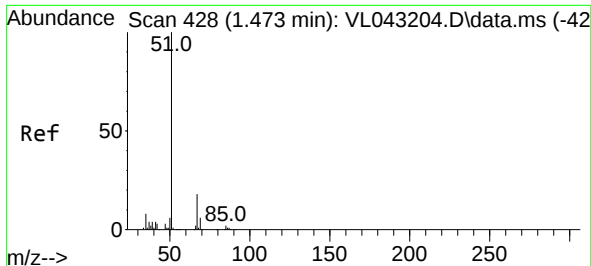
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

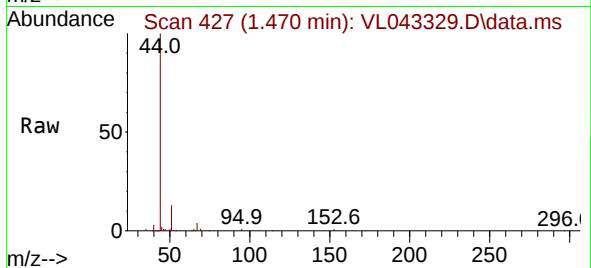
Tgt Ion: 85 Resp: 2304
Ion Ratio Lower Upper
85 100
87 25.8 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.129 ppbv m
RT: 1.470 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

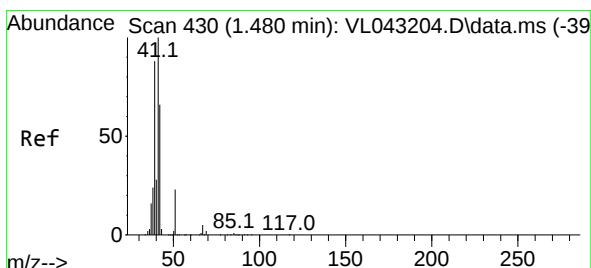
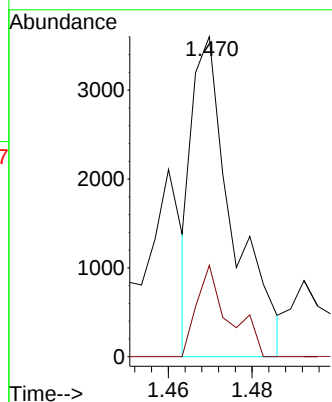
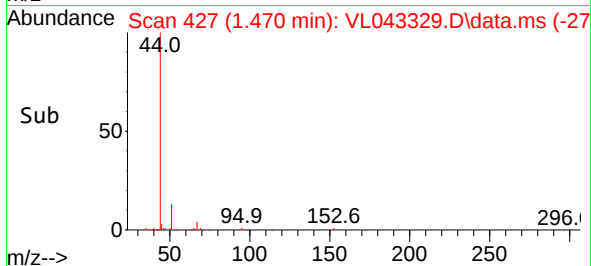
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 51 Resp: 2420
Ion Ratio Lower Upper
51 100
67 3.8 14.9 22.3

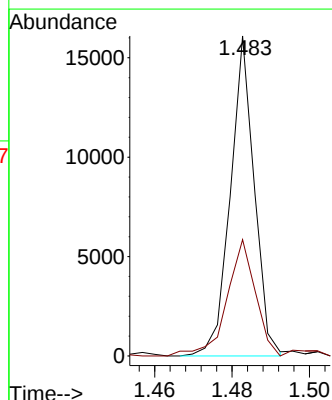
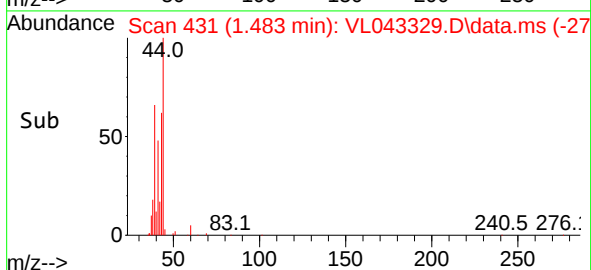
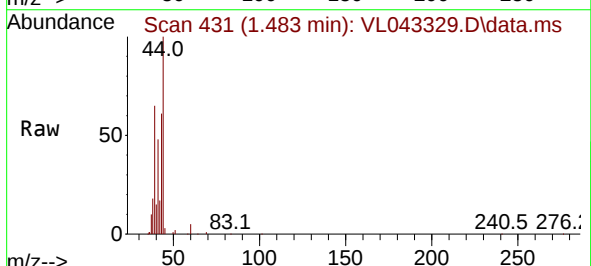
Manual Integrations
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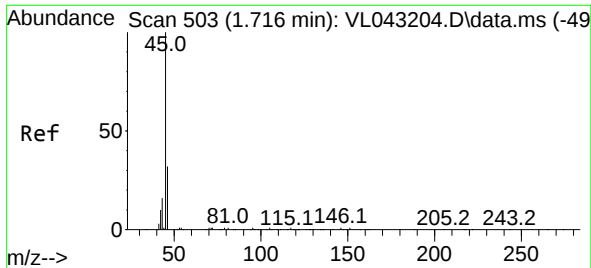
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#9
Propene
Concen: 0.863 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Tgt Ion: 41 Resp: 6918
Ion Ratio Lower Upper
41 100
42 46.3 3.7 5.5





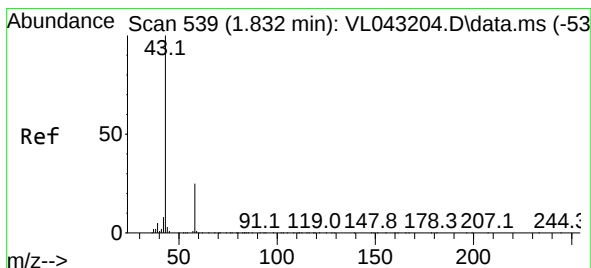
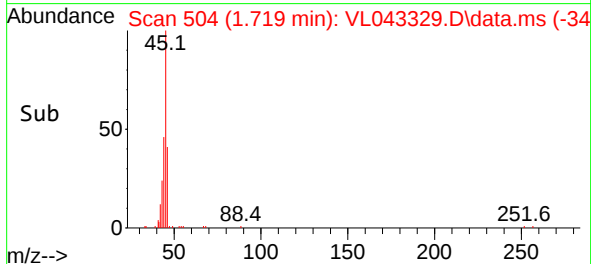
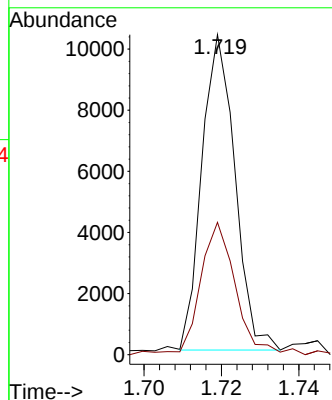
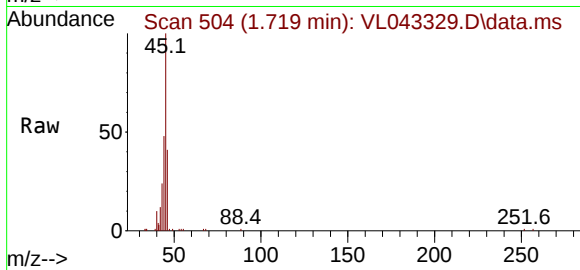
#13
Ethanol
Concen: 2.172 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 612
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

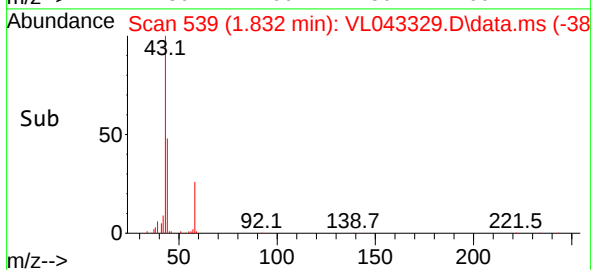
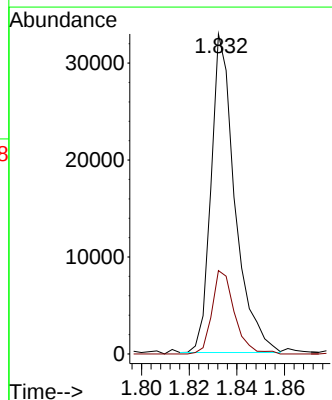
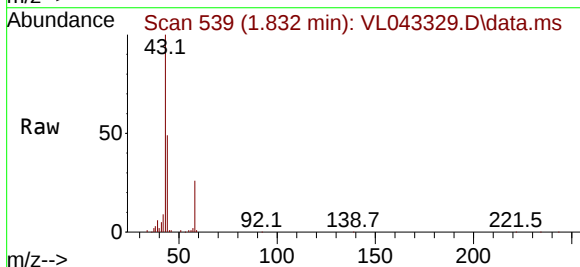
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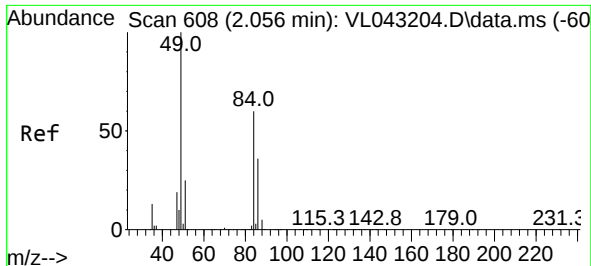
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 1.212 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

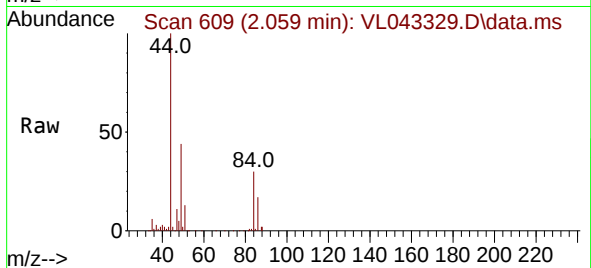
Tgt Ion: 43 Resp: 22914
Ion Ratio Lower Upper
43 100
58 24.7 20.7 31.1





#20
Methylene Chloride
Concen: 0.506 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

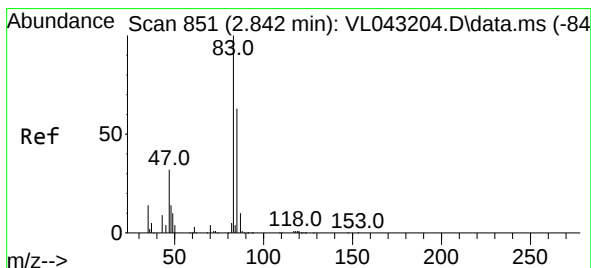
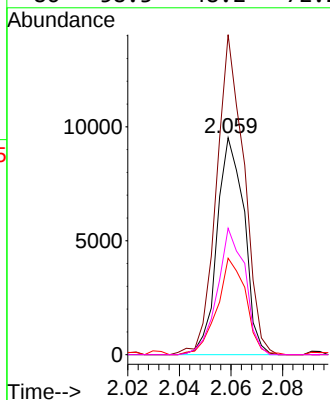
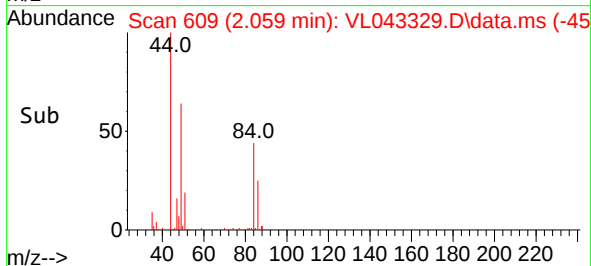
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 6969
Ion Ratio Lower Upper
84 100
49 153.1 132.9 199.3
51 44.5 34.8 52.2
86 58.3 48.2 72.2

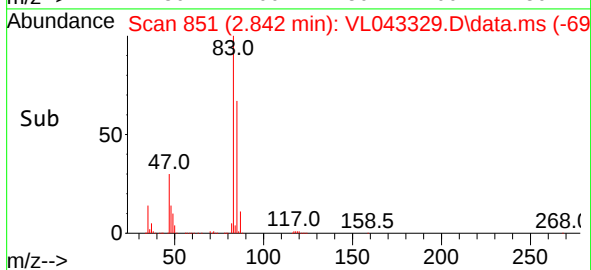
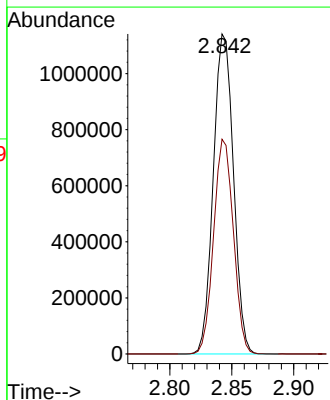
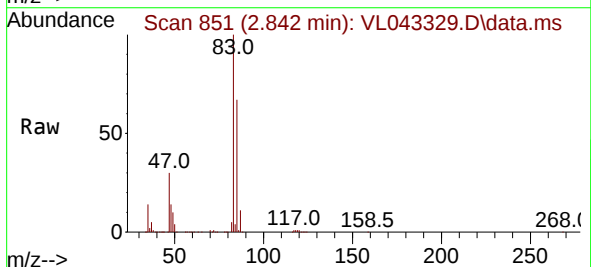
Manual Integrations
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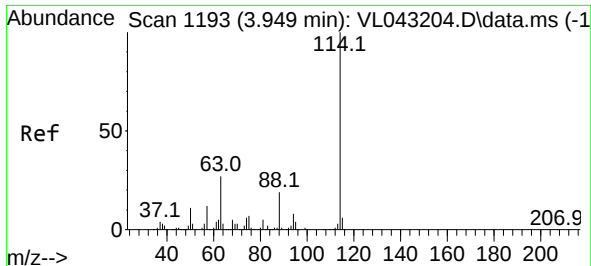
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 50.891 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Tgt Ion: 83 Resp: 1292956
Ion Ratio Lower Upper
83 100
85 67.1 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1193

Delta R.T. -0.003 min

Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV1

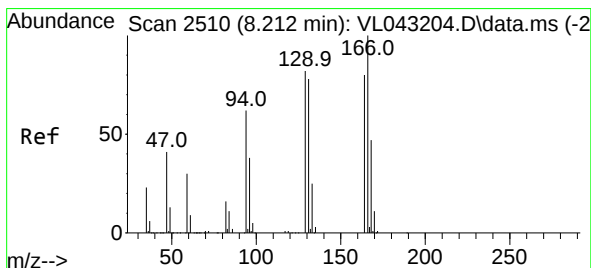
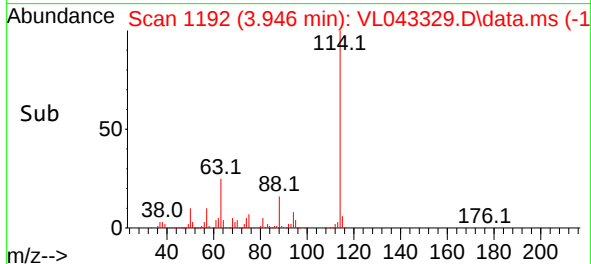
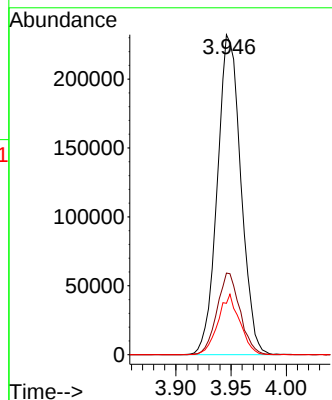
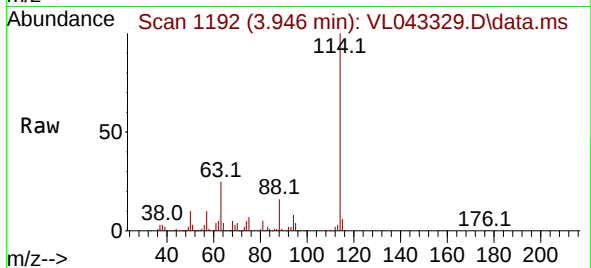
Tgt Ion:114 Resp: 34369

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.0	31.6
88	17.5	14.9	22.3

Manual Integrations

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Supervised By :Mahesh Dadoda 12/11/2025



#52

Tetrachloroethene

Concen: 0.055 ppbv m

RT: 8.215 min Scan# 2511

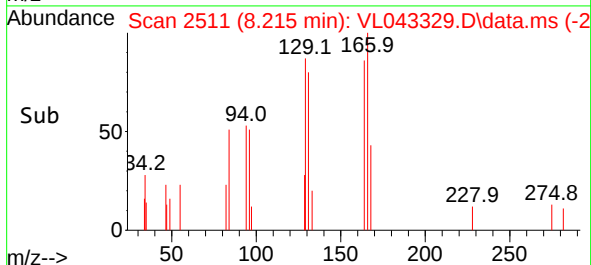
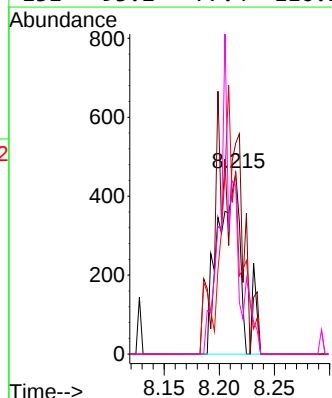
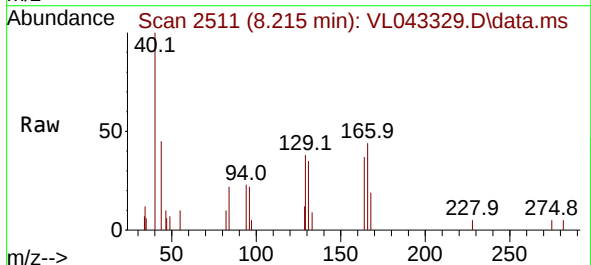
Delta R.T. 0.003 min

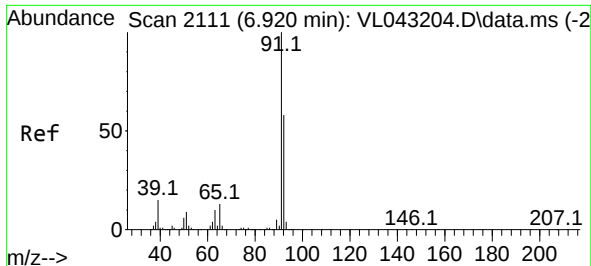
Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

Tgt Ion:164 Resp: 678

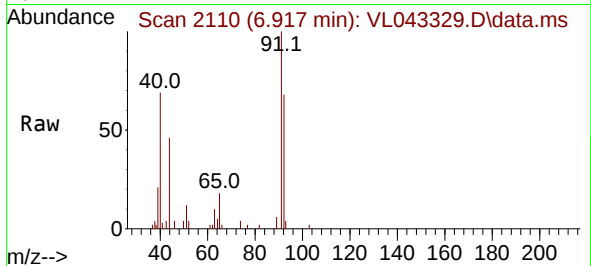
Ion	Ratio	Lower	Upper
164	100		
166	116.6	99.4	149.2
129	101.1	81.8	122.8
131	93.2	77.4	116.2





#53
Toluene
Concen: 0.153 ppbv m
RT: 6.917 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

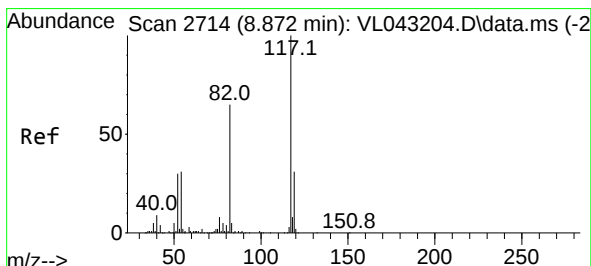
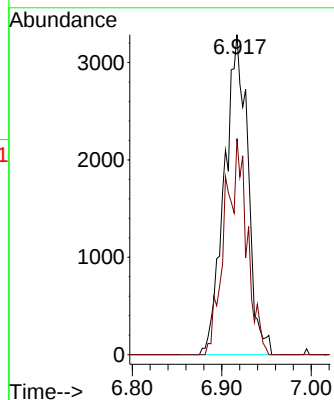
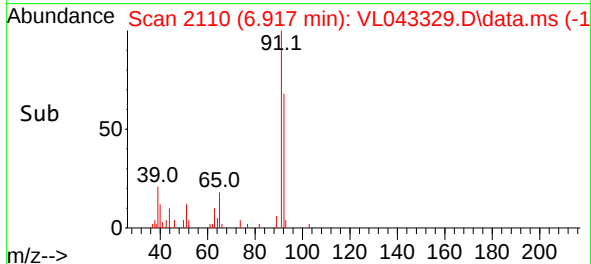
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 5958
Ion Ratio Lower Upper
91 100
92 64.5 47.4 71.0

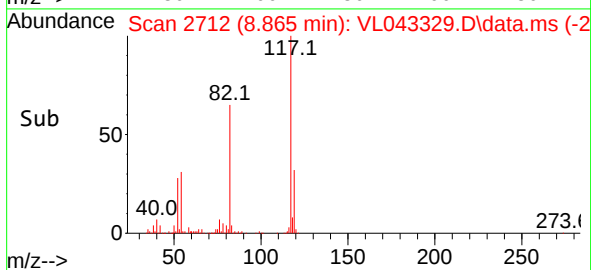
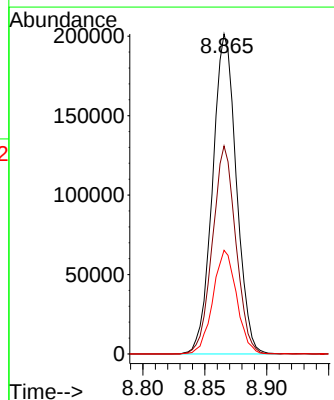
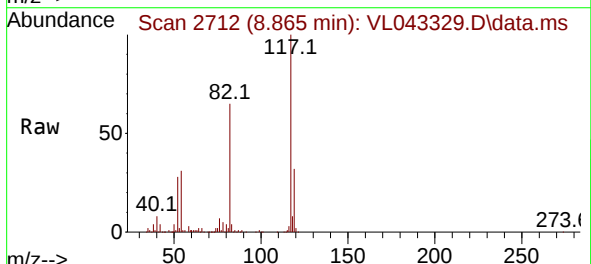
Manual Integrations
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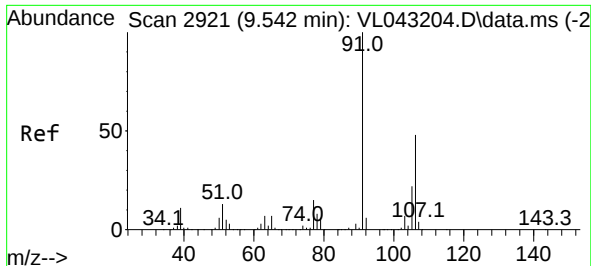
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. -0.007 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Tgt Ion:117 Resp: 270053
Ion Ratio Lower Upper
117 100
82 63.8 56.1 84.1
119 32.3 25.0 37.6





#59

m/p-Xylene

Concen: 0.126 ppbv m

RT: 9.516 min Scan# 2921

Delta R.T. -0.026 min

Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 526

Ion Ratio Lower Upper

91 100

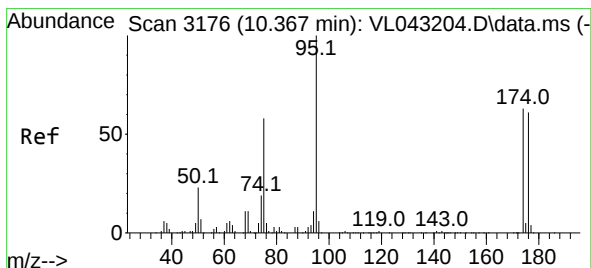
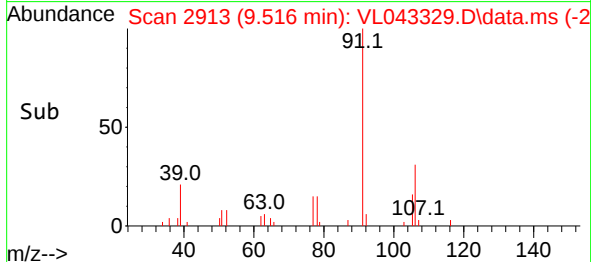
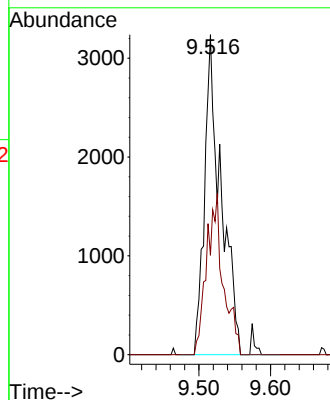
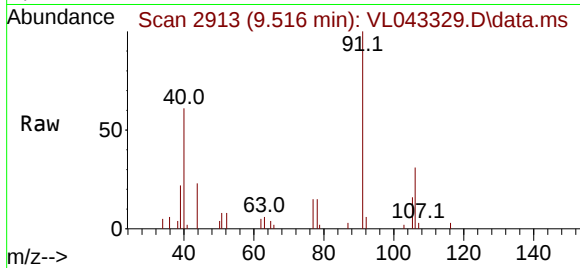
106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.293 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. -0.003 min

Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

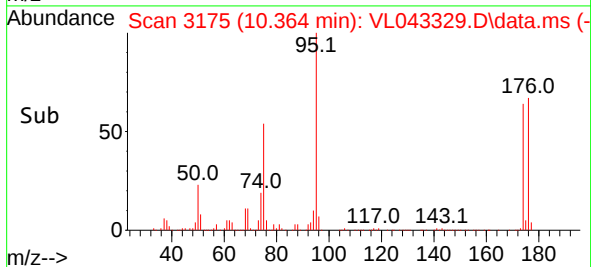
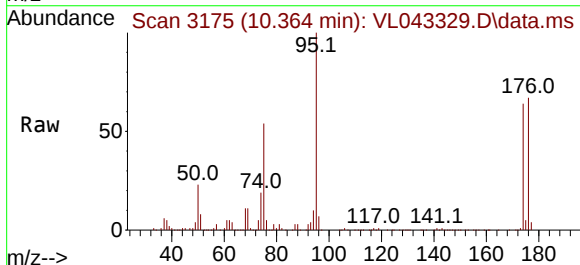
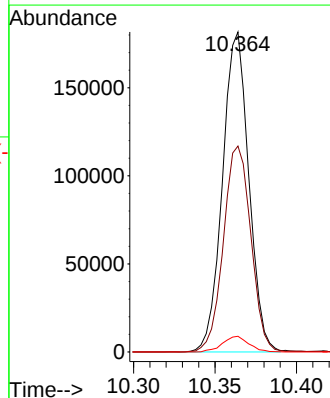
Tgt Ion: 95 Resp: 203754

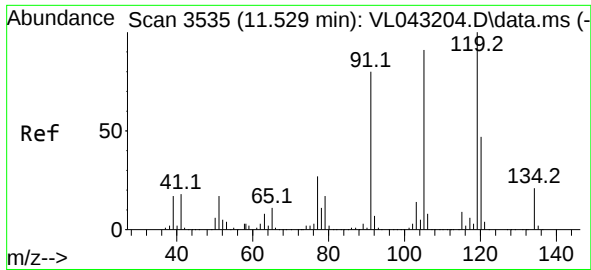
Ion Ratio Lower Upper

95 100

174 67.7 50.2 75.2

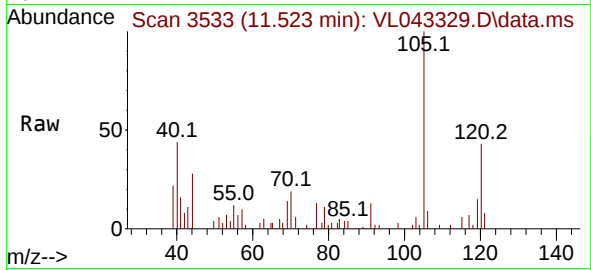
175 4.9 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.106 ppbv
 RT: 11.523 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: VL043329.D
 Acq: 09 Dec 2025 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:105 Resp: 4924
 Ion Ratio Lower Upper
 105 100
 120 42.7 41.7 62.5
 91 13.3 70.0 105.0
 77 6.5 23.8 35.8#

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

