

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043327.D
 Acq On : 08 Dec 2025 23:34
 Operator : SY/MD
 Sample : Q3797-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Dec 09 01:26:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.777	49	132111	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	327839	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	260554	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	199245	10.432	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	2072m	0.111	ppbv	
9) Propene	1.486	41	3828	0.492	ppbv #	1
13) Ethanol	1.719	45	4503m	1.646	ppbv	
15) Acetone	1.832	43	66430	3.619	ppbv	100
20) Methylene Chloride	2.059	84	7086	0.570	ppbv	83
26) Hexane	2.816	57	3424	0.197	ppbv #	41
29) Chloroform	2.842	83	6635	0.269	ppbv	91
34) 2-Butanone	2.551	43	6373	0.275	ppbv	92
35) Carbon Tetrachloride	3.748	117	939m	0.038	ppbv	
38) Trichloroethene	4.531	130	57976	4.720	ppbv	96
52) Tetrachloroethene	8.212	164	12298	1.053	ppbv	87
53) Toluene	6.910	91	8372m	0.225	ppbv	
59) m/p-Xylene	9.516	91	6583m	0.164	ppbv	
74) 1,2,4-Trimethylbenzene	11.526	105	7455	0.166	ppbv #	46

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

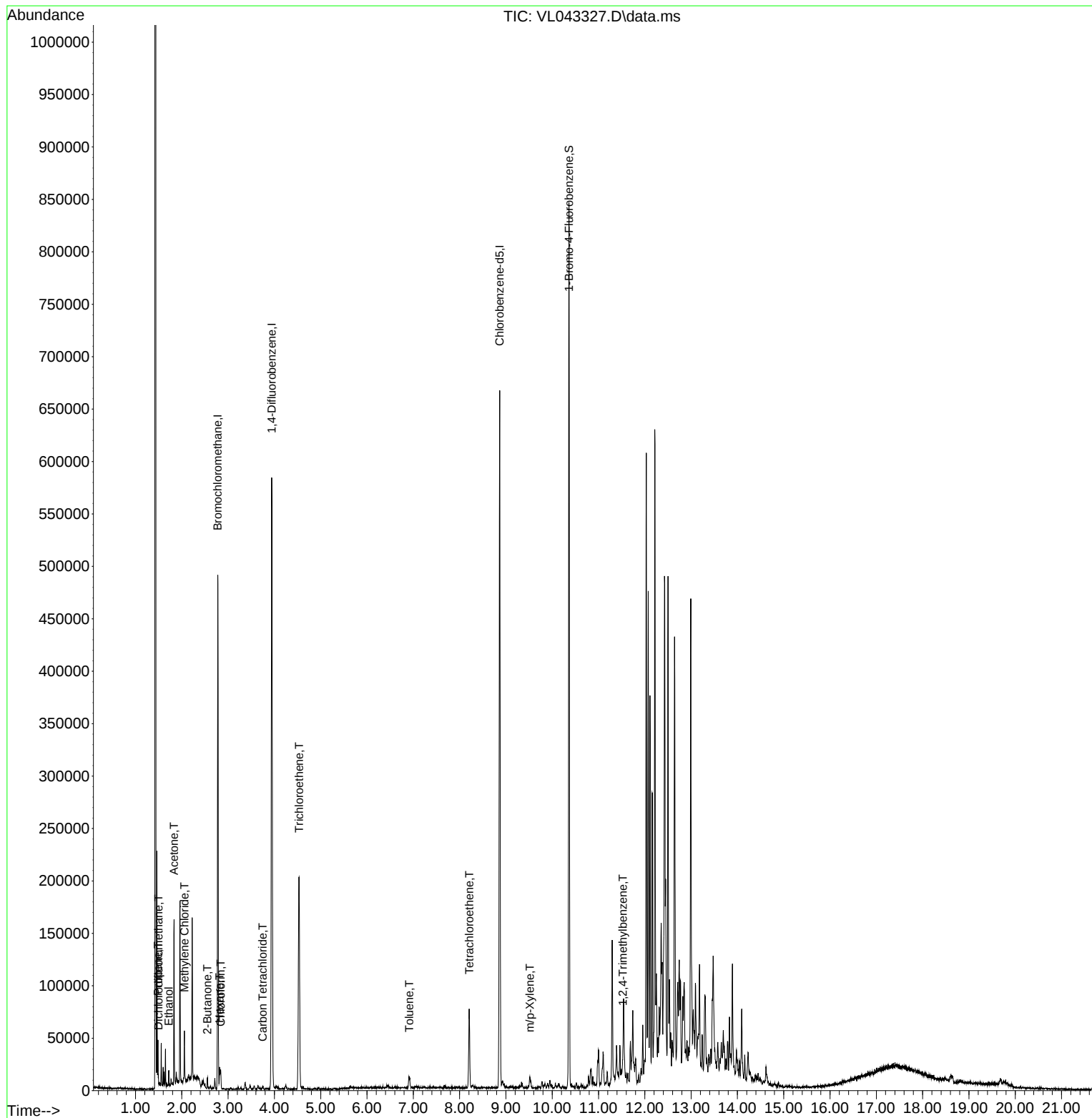
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043327.D
Acq On : 08 Dec 2025 23:34
Operator : SY/MD
Sample : Q3797-03 4X
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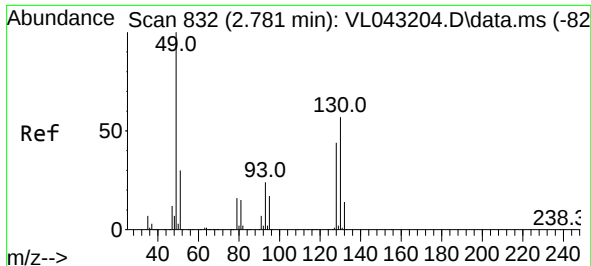
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Dec 09 01:26:20 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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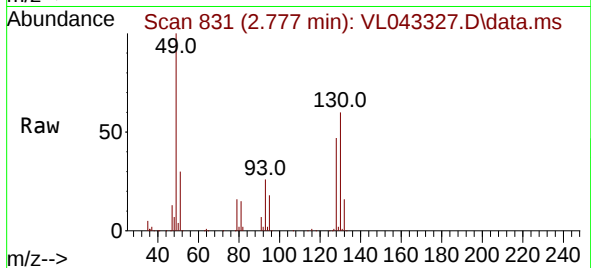
Reviewed By : Semsettin Yesilyurt 12/09/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 811
Delta R.T. -0.004 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

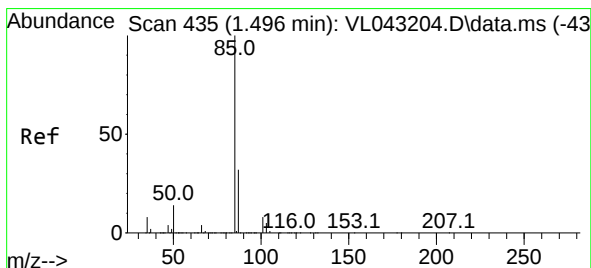
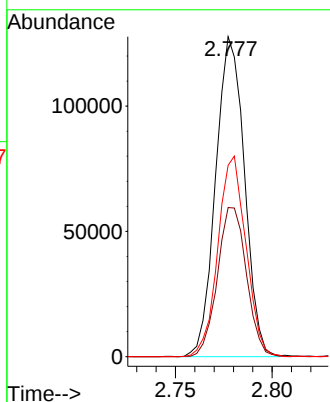
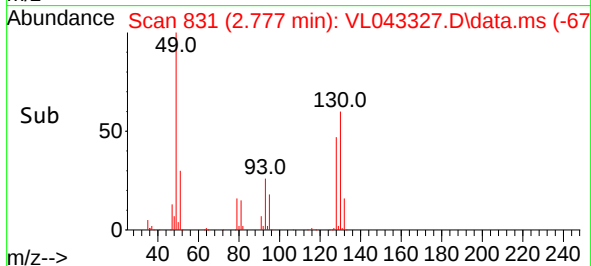
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 13211
Ion Ratio Lower Upper
49 100
128 47.2 23.0 69.0
130 61.2 29.9 89.7

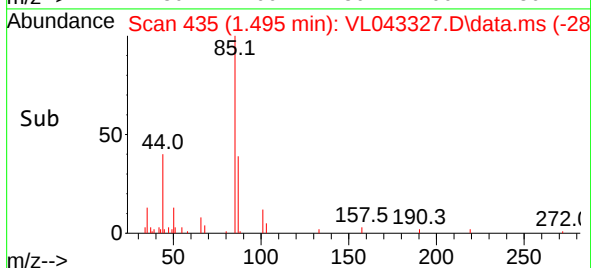
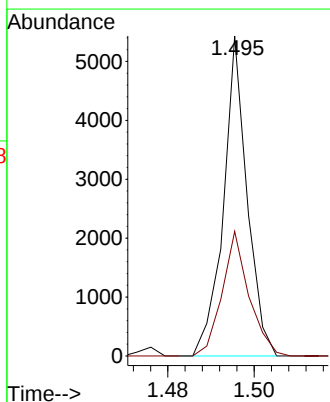
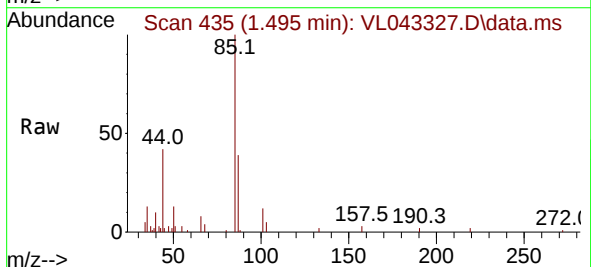
Manual Integrations
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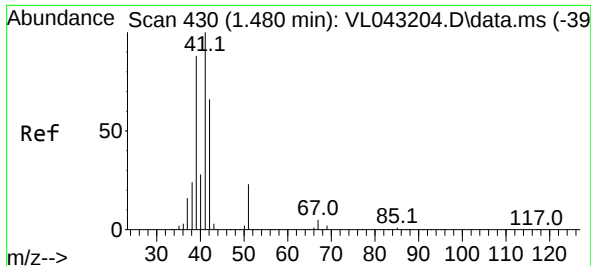
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.111 ppbv m
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

Tgt Ion: 85 Resp: 2072
Ion Ratio Lower Upper
85 100
87 39.0 25.4 38.2#





#9

Propene

Concen: 0.492 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043327.D

Acq: 08 Dec 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 41 Resp: 3828

Ion Ratio Lower Upper

41 100

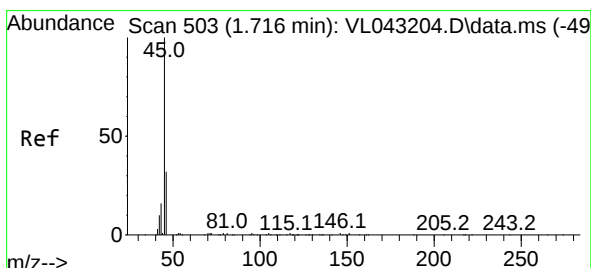
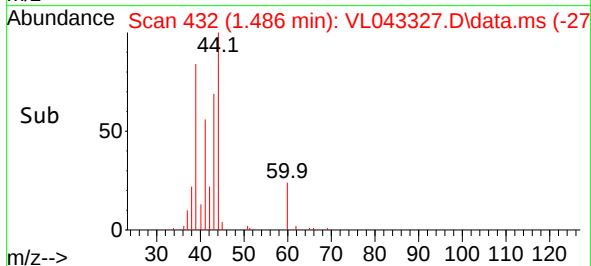
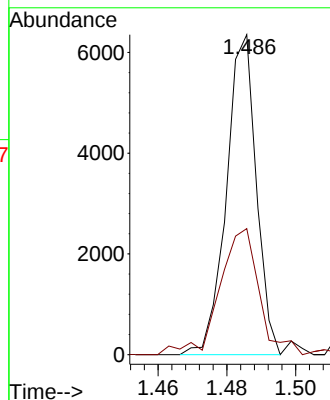
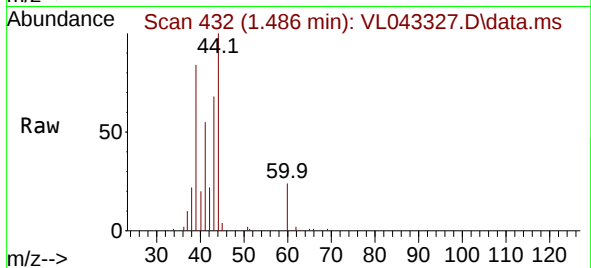
42 54.1 3.7 5.5

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#13

Ethanol

Concen: 1.646 ppbv m

RT: 1.719 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL043327.D

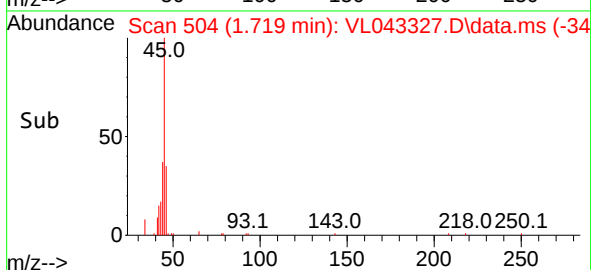
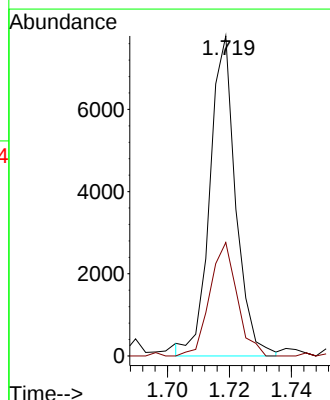
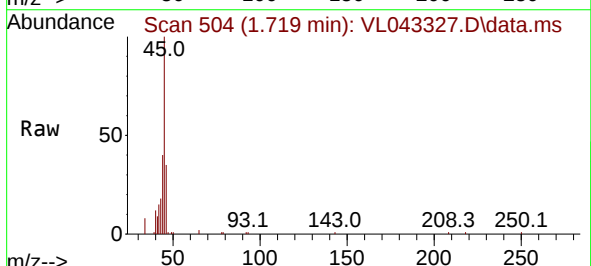
Acq: 08 Dec 2025 23:34

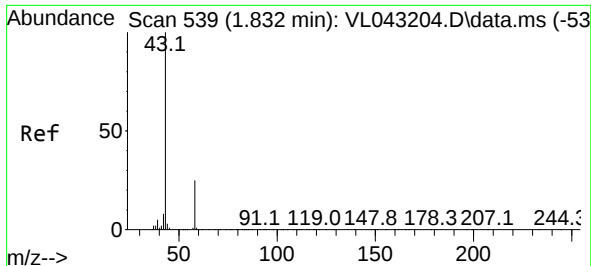
Tgt Ion: 45 Resp: 4503

Ion Ratio Lower Upper

45 100

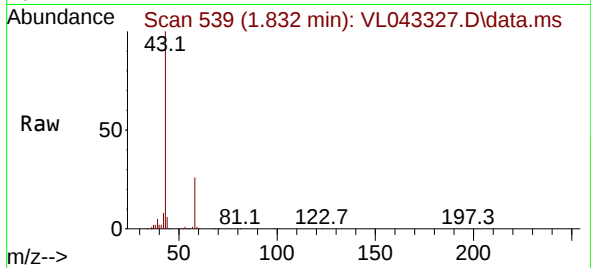
46 0.0 15.0 59.8





#15
Acetone
Concen: 3.619 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

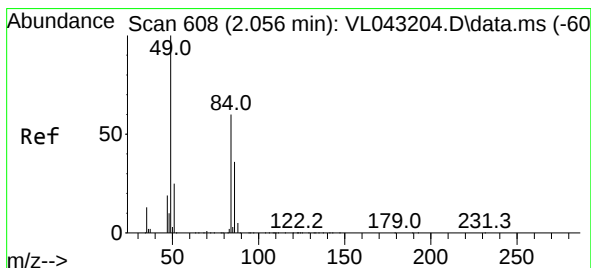
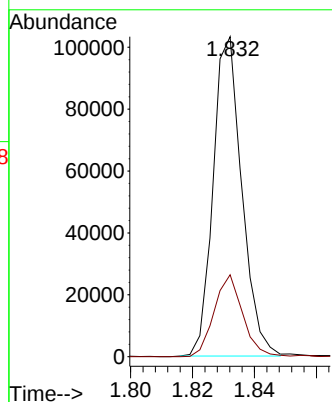
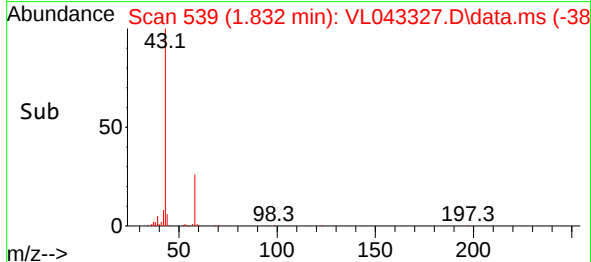
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 66430
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1

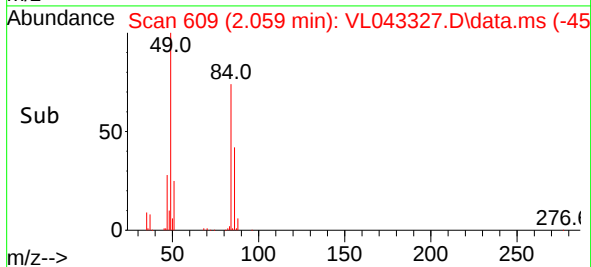
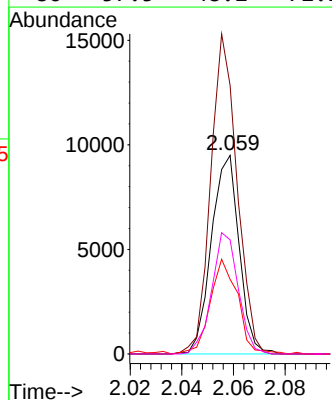
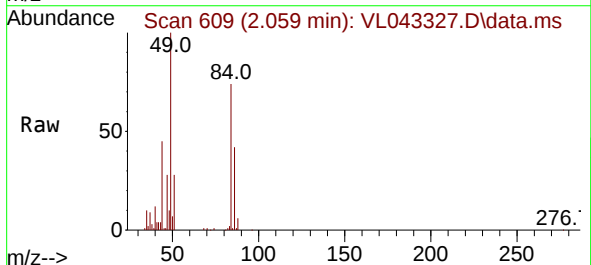
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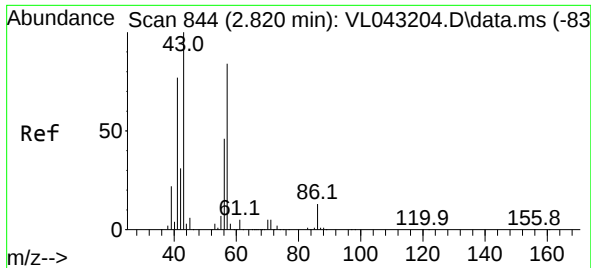
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#20
Methylene Chloride
Concen: 0.570 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

Tgt Ion: 84 Resp: 7086
Ion Ratio Lower Upper
84 100
49 135.2 132.9 199.3
51 36.8 34.8 52.2
86 57.5 48.2 72.2





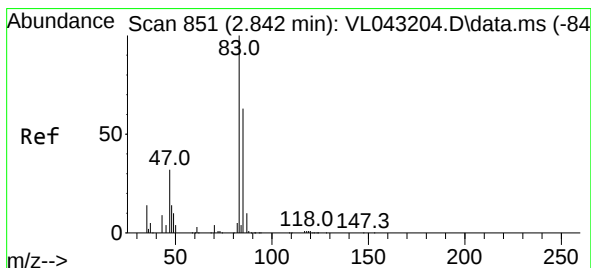
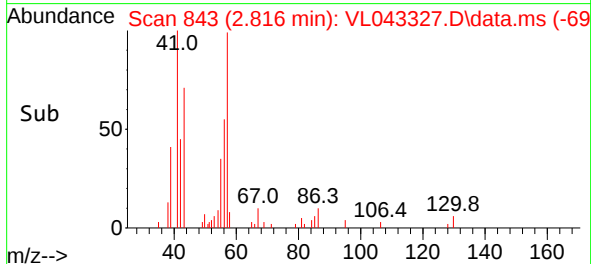
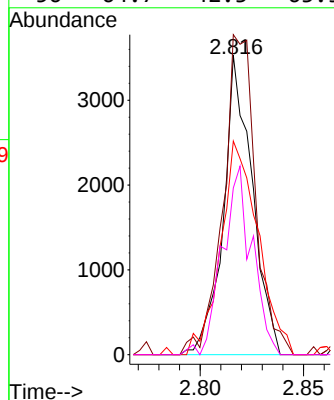
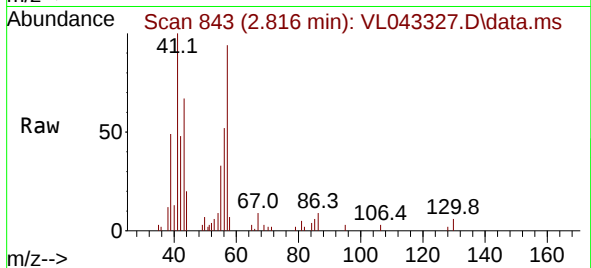
#26
Hexane
Concen: 0.197 ppbv
RT: 2.816 min Scan# 844
Delta R.T. -0.004 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 57 Resp: 3424
Ion Ratio Lower Upper
57 100
41 128.3 74.6 111.8
43 95.2 179.0 268.4
56 64.7 42.3 63.5

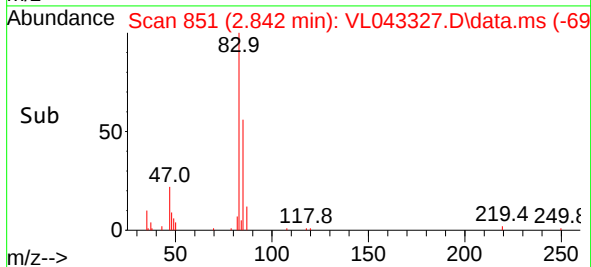
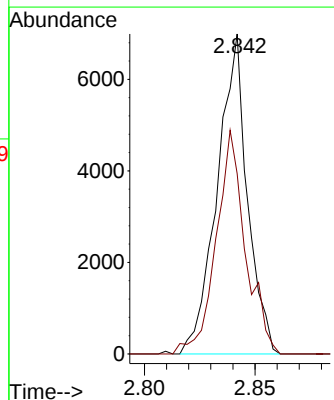
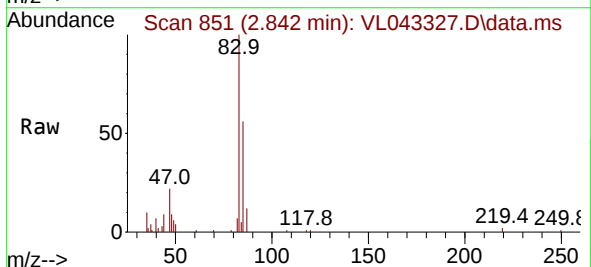
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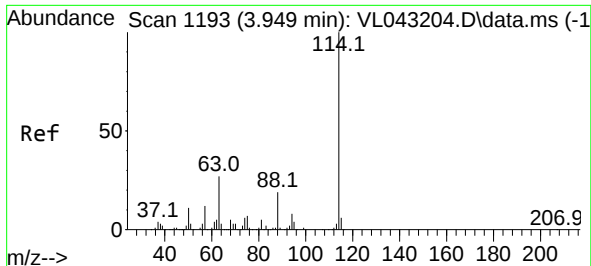
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 0.269 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

Tgt Ion: 83 Resp: 6635
Ion Ratio Lower Upper
83 100
85 56.3 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. -0.007 min

Lab File: VL043327.D

Acq: 08 Dec 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV2

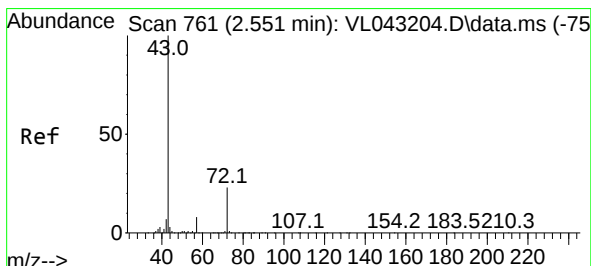
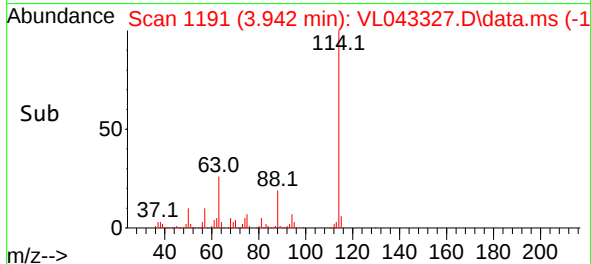
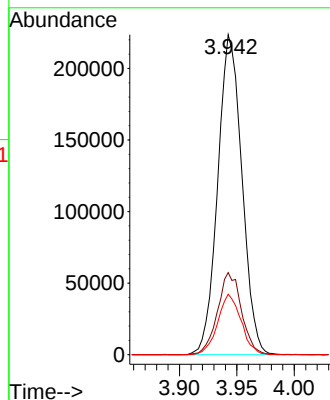
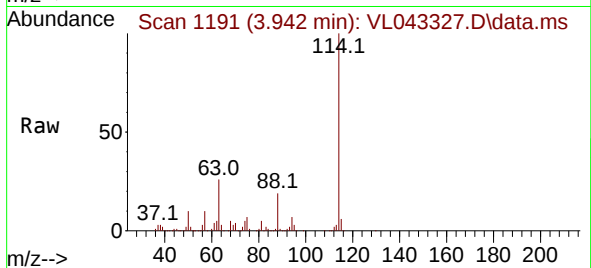
Tgt Ion:114 Resp: 327839

Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.0	31.6
88	18.2	14.9	22.3

Manual Integrations

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Supervised By :Mahesh Dadoda 12/11/2025



#34

2-Butanone

Concen: 0.275 ppbv

RT: 2.551 min Scan# 761

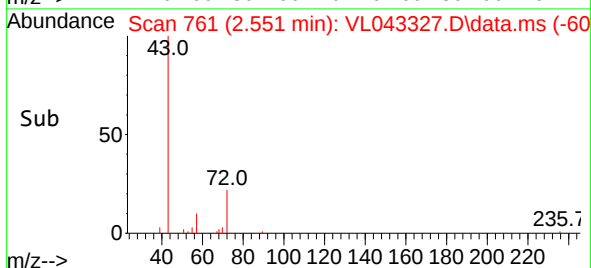
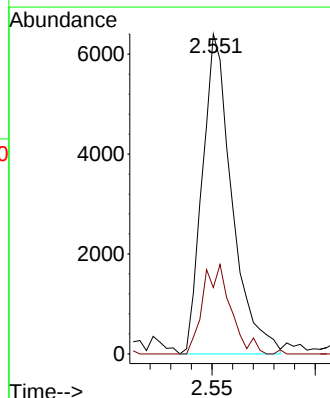
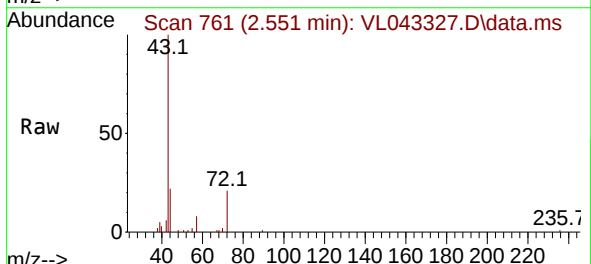
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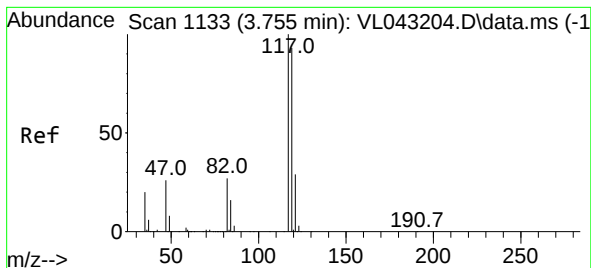
Lab File: VL043327.D

Acq: 08 Dec 2025 23:34

Tgt Ion: 43 Resp: 6373

Ion	Ratio	Lower	Upper
43	100		
72	26.6	18.1	27.1





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 3.748 min Scan# 1133

Delta R.T. -0.007 min

Lab File: VL043327.D

Acq: 08 Dec 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV2

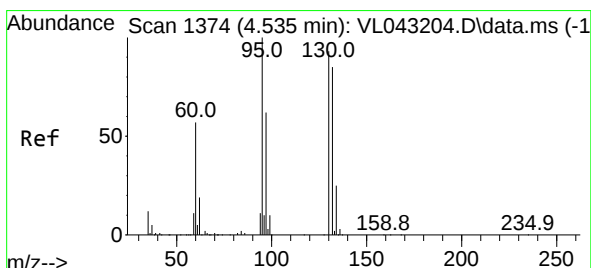
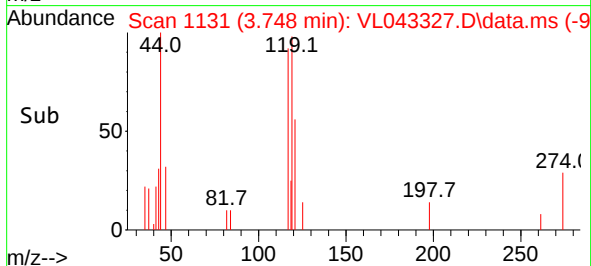
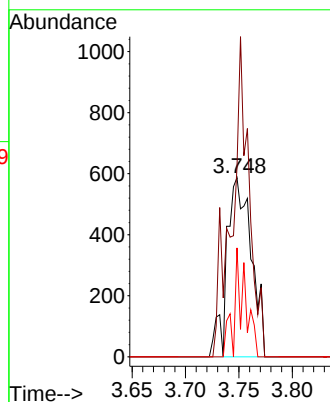
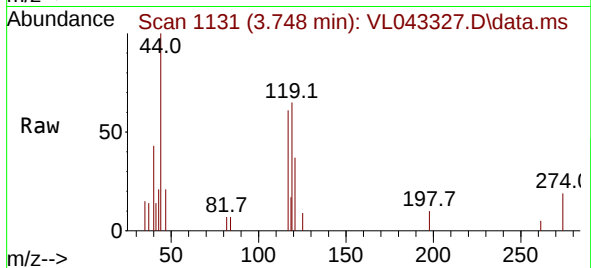
Tgt Ion:	117	Resp:	939
Ion	Ratio	Lower	Upper
117	100		
119	106.0	74.6	112.0
121	60.8	23.2	34.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/11/2025



#38

Trichloroethene

Concen: 4.720 ppbv

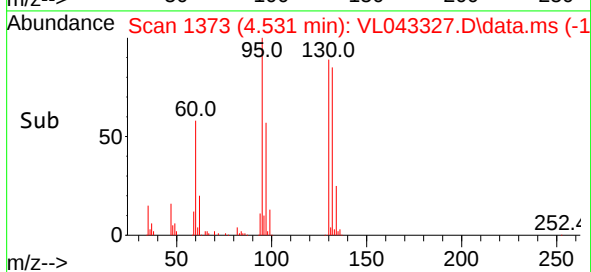
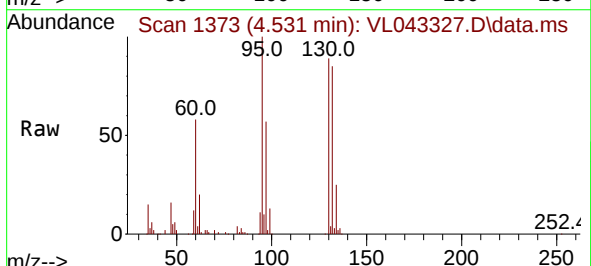
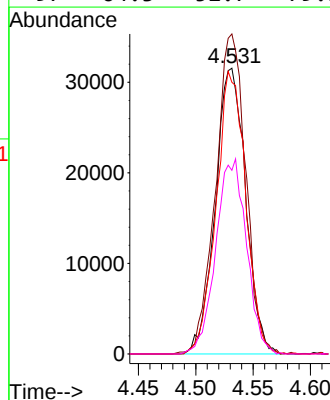
RT: 4.531 min Scan# 1373

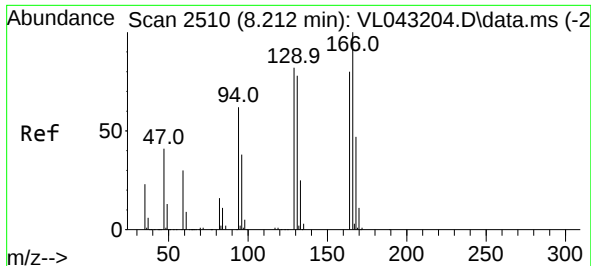
Delta R.T. -0.004 min

Lab File: VL043327.D

Acq: 08 Dec 2025 23:34

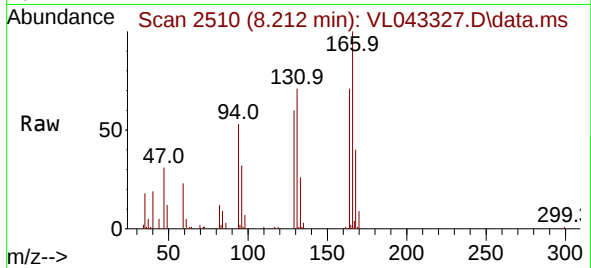
Tgt Ion:	130	Resp:	57976
Ion	Ratio	Lower	Upper
130	100		
95	112.0	85.7	128.5
132	95.1	73.4	110.0
97	64.3	52.7	79.1





#52
Tetrachloroethene
Concen: 1.053 ppbv
RT: 8.212 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

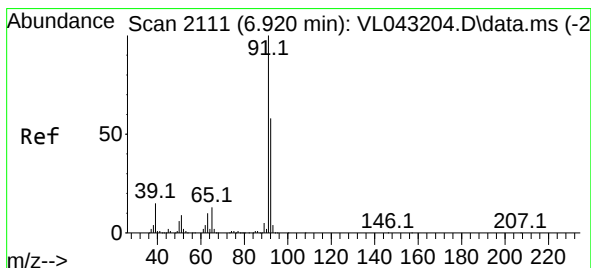
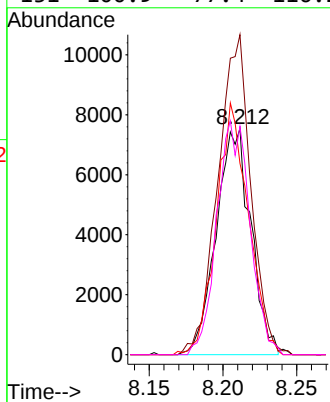
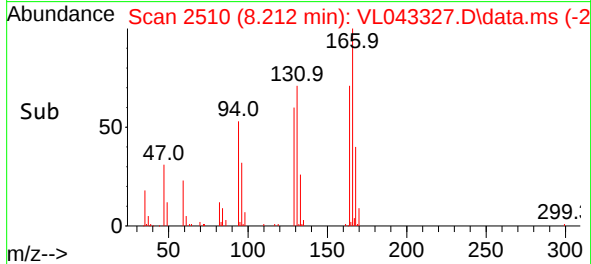
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 12298
Ion Ratio Lower Upper
164 100
166 141.5 99.4 149.2
129 83.1 81.8 122.8
131 100.9 77.4 116.2

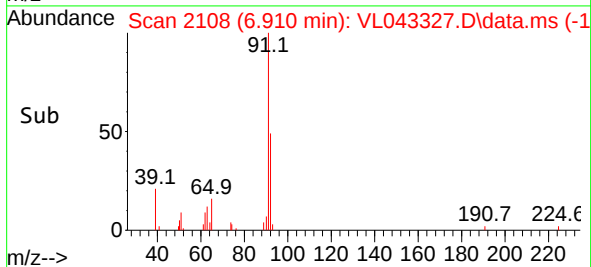
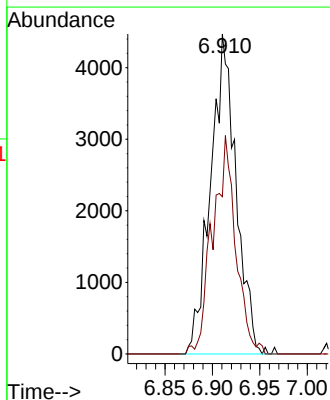
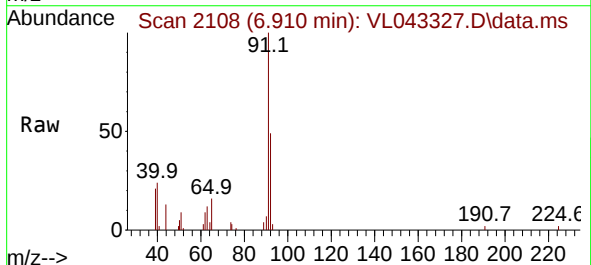
Manual Integrations
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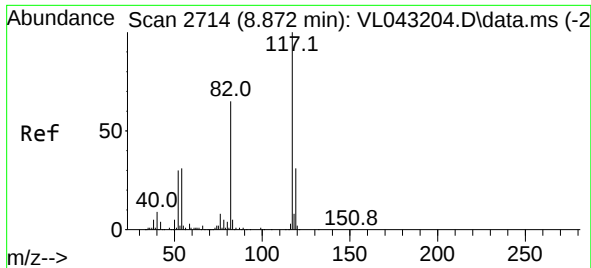
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#53
Toluene
Concen: 0.225 ppbv m
RT: 6.910 min Scan# 2108
Delta R.T. -0.010 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

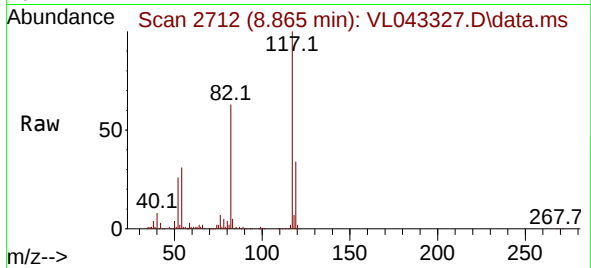
Tgt Ion: 91 Resp: 8372
Ion Ratio Lower Upper
91 100
92 61.8 47.4 71.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

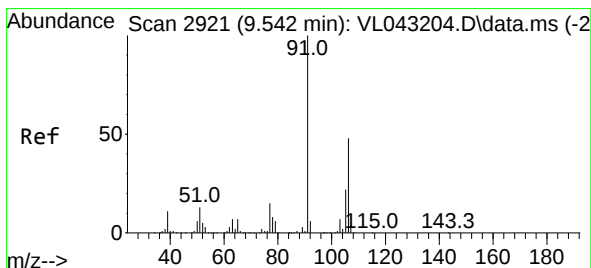
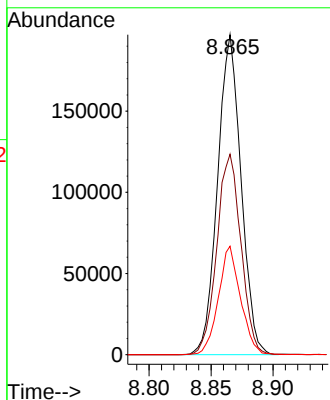
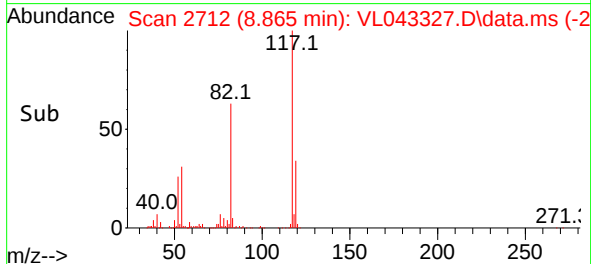
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 260554
Ion Ratio Lower Upper
117 100
82 64.4 56.1 84.1
119 32.1 25.0 37.6

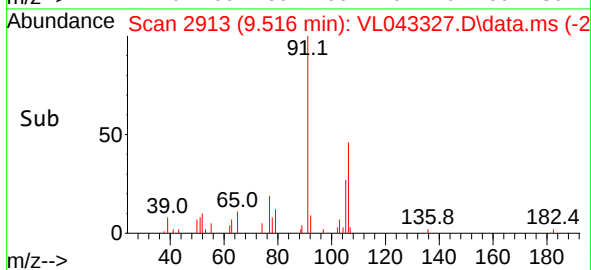
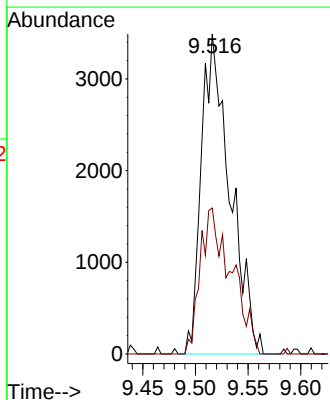
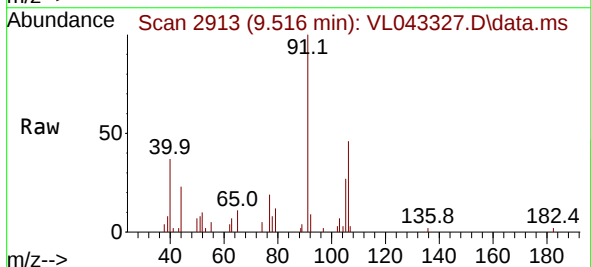
Manual Integrations
APPROVED

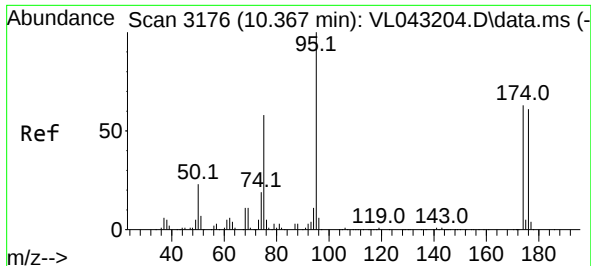
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#59
m/p-Xylene
Concen: 0.164 ppbv m
RT: 9.516 min Scan# 2913
Delta R.T. -0.026 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

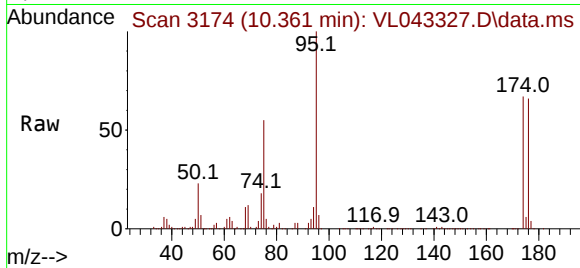
Tgt Ion: 91 Resp: 6583
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.432 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.007 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34

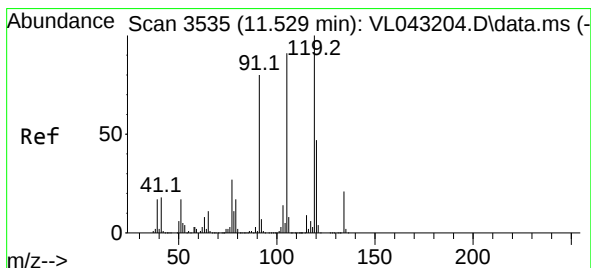
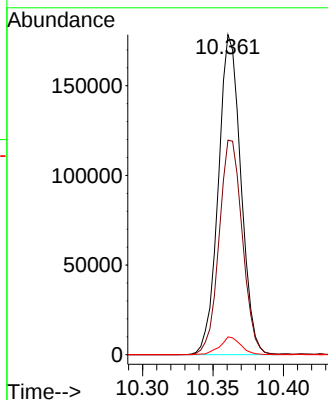
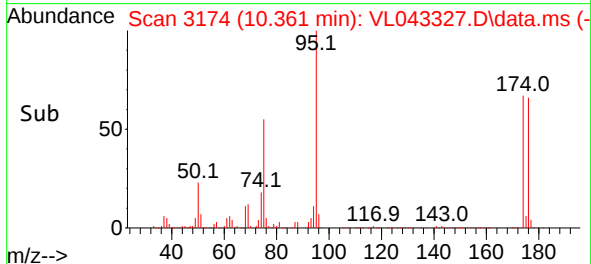
Instrument :
MSVOA_L
ClientSampleId :
SV2



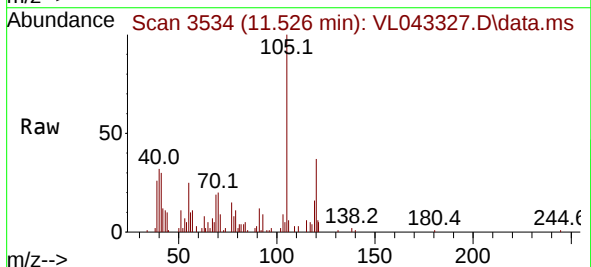
Tgt Ion: 95 Resp: 19924
Ion Ratio Lower Upper
95 100
174 69.4 50.2 75.2
175 5.1 4.1 6.1

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.166 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.004 min
Lab File: VL043327.D
Acq: 08 Dec 2025 23:34



Tgt Ion:105 Resp: 7455
Ion Ratio Lower Upper
105 100
120 41.1 41.7 62.5#
91 9.2 70.0 105.0#
77 14.2 23.8 35.8#

