

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043289.D
 Acq On : 24 Nov 2025 20:07
 Operator : SY/MD
 Sample : Q3696-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 25 01:24:10 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

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

Internal Standards						
1) Bromochloromethane	2.780	49	110400	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	279064	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	209824	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	151349	9.841	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	811m	0.139	ppbv	
9) Propene	1.486	41	9524	1.465	ppbv #	1
11) Trichlorofluoromethane	1.874	101	2202	0.146	ppbv	97
13) Ethanol	1.719	45	1931	0.844	ppbv #	38
15) Acetone	1.832	43	71896	4.687	ppbv	99
17) tert-Butyl alcohol	2.033	59	394738	19.606	ppbv	100
19) Isopropyl Alcohol	1.881	45	9336	1.077	ppbv #	1
26) Hexane	2.826	57	1671m	0.115	ppbv	
30) Cyclohexane	3.845	84	3804m	0.313	ppbv	
34) 2-Butanone	2.554	43	2452	0.124	ppbv	98
52) Tetrachloroethene	8.211	164	22509	2.264	ppbv	97
53) Toluene	6.917	91	39048	1.234	ppbv	98
59) m/p-Xylene	9.522	91	5635m	0.174	ppbv	

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

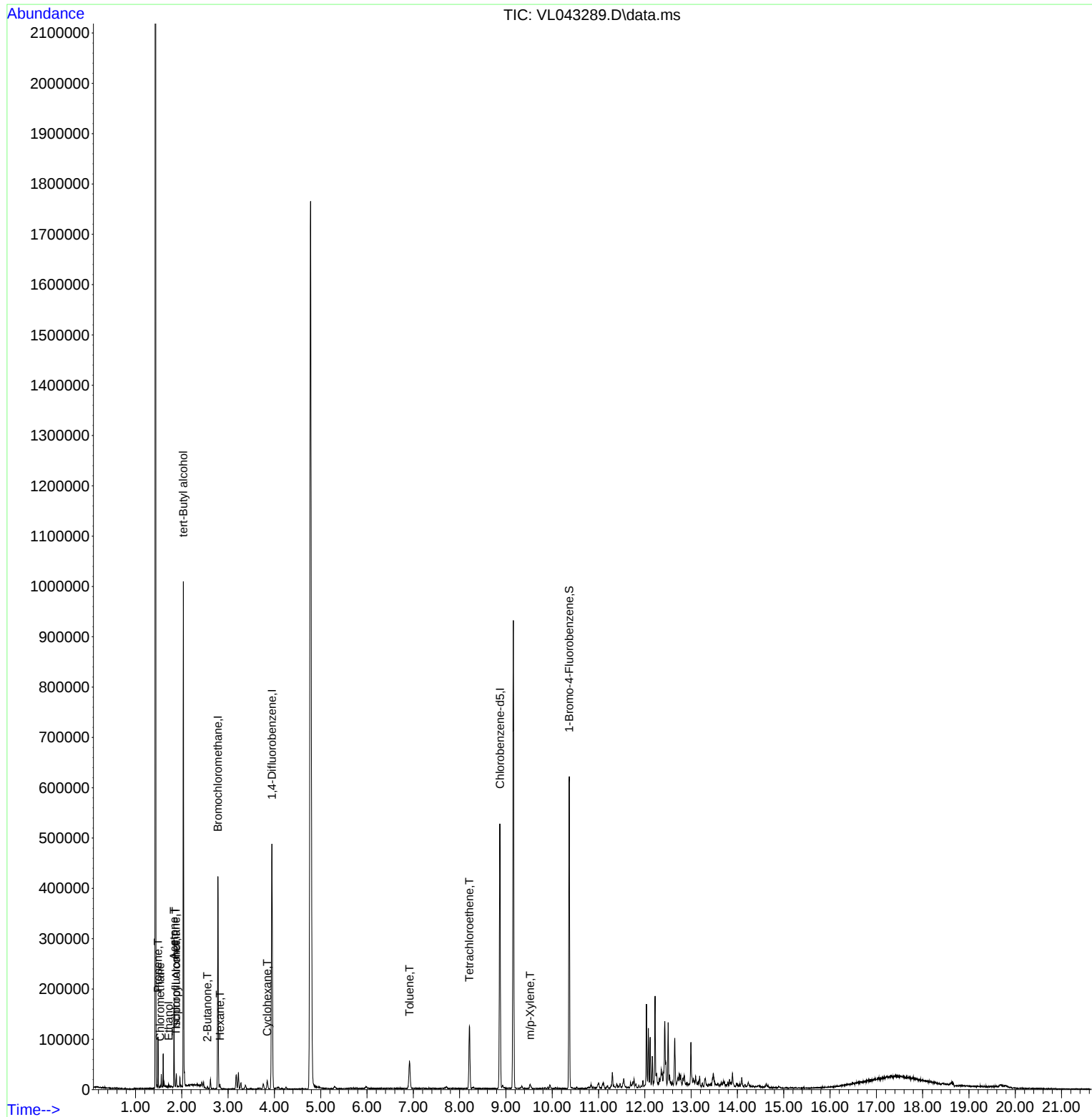
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043289.D
Acq On : 24 Nov 2025 20:07
Operator : SY/MD
Sample : Q3696-01DL 10X
Misc : 400mL/MSVOA_L
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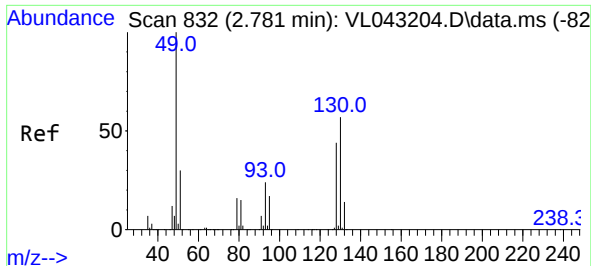
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Supervised By :Mahesh Dadoda 11/25/2025

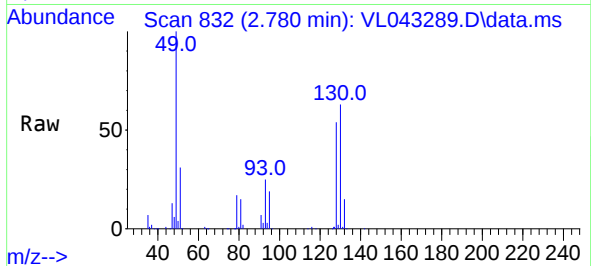
Quant Time: Nov 25 01:24:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

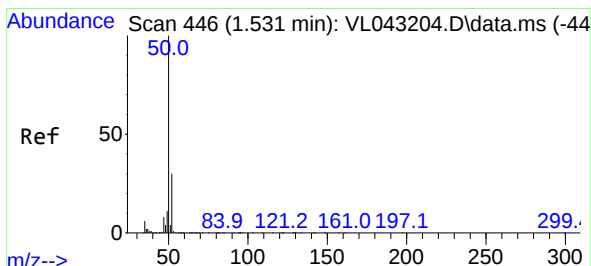
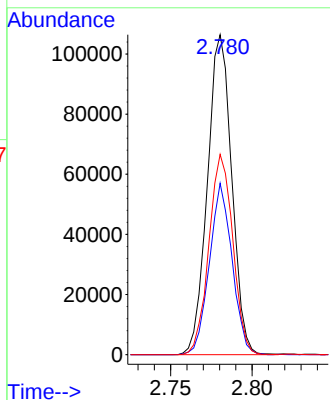
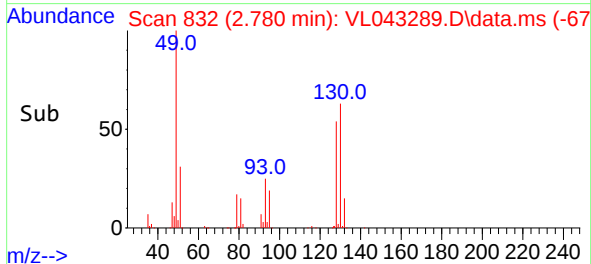
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 110400
Ion Ratio Lower Upper
49 100
128 50.0 23.0 69.0
130 61.7 29.9 89.7

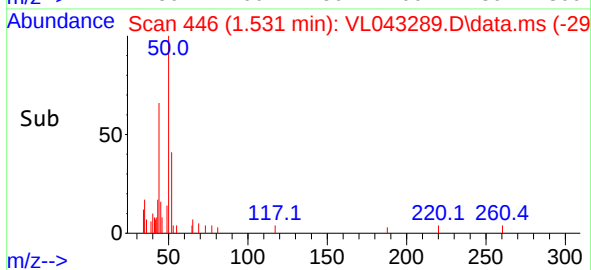
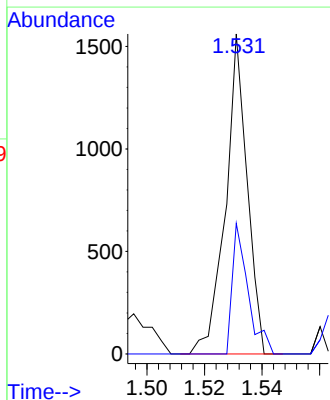
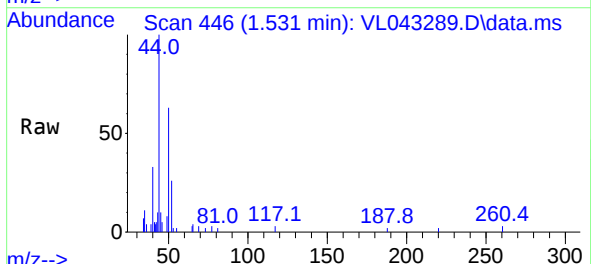
Manual Integrations
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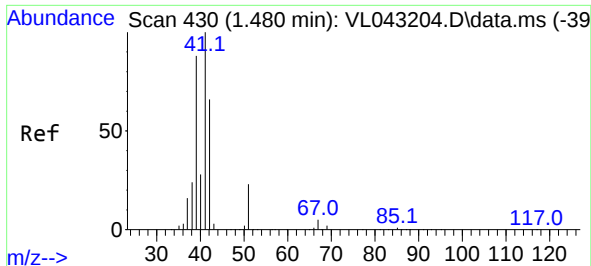
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#4
Chloromethane
Concen: 0.139 ppbv m
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Tgt Ion: 50 Resp: 811
Ion Ratio Lower Upper
50 100
52 40.8 24.1 36.1#





#9

Propene

Concen: 1.465 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043289.D

Acq: 24 Nov 2025 20:07

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 41 Resp: 9524

Ion Ratio Lower Upper

41 100

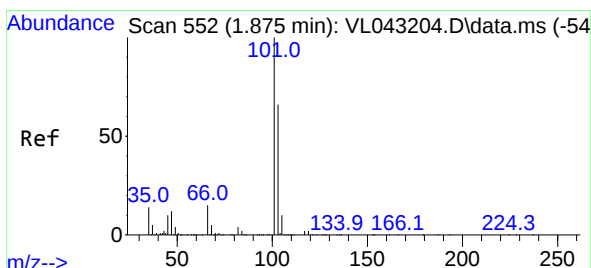
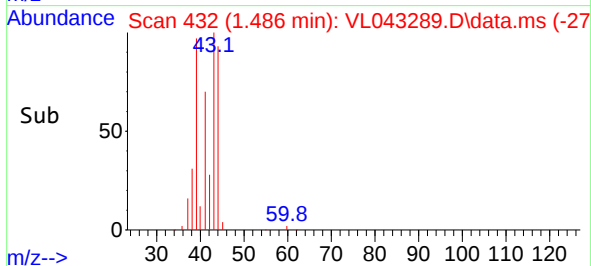
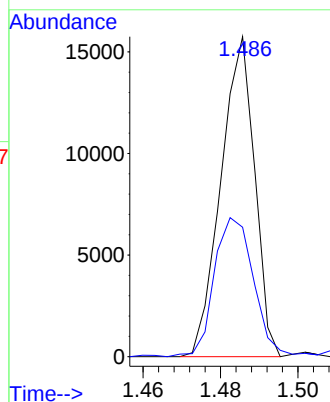
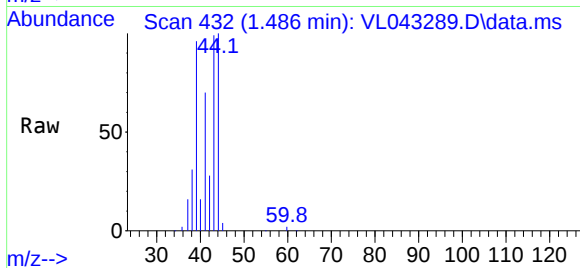
42 53.6 3.7 5.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#11

Trichlorofluoromethane

Concen: 0.146 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL043289.D

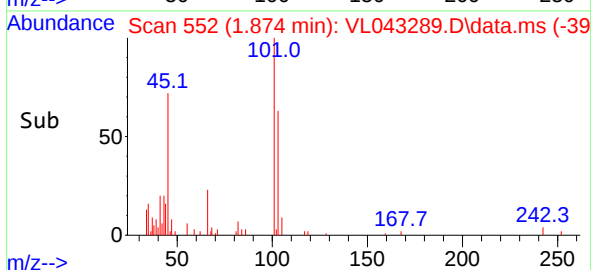
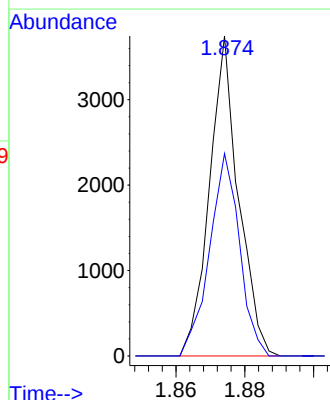
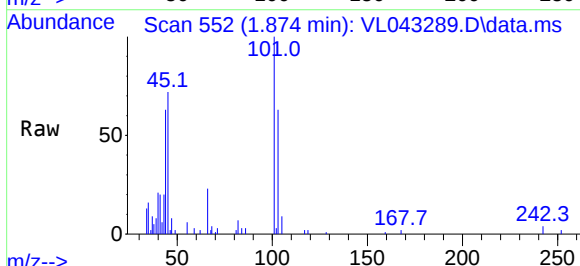
Acq: 24 Nov 2025 20:07

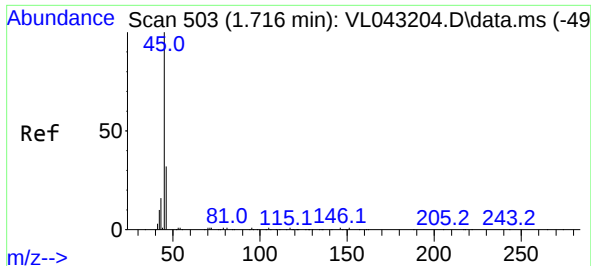
Tgt Ion:101 Resp: 2202

Ion Ratio Lower Upper

101 100

103 63.2 52.6 79.0





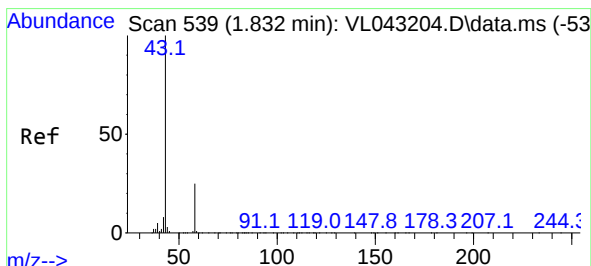
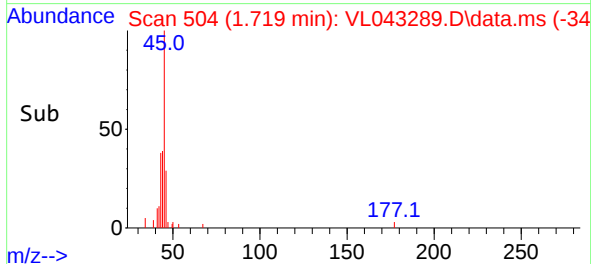
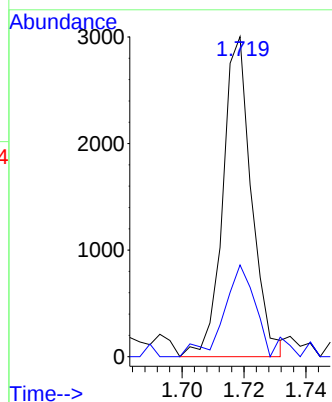
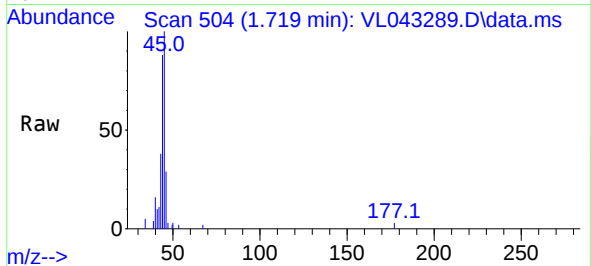
#13
Ethanol
Concen: 0.844 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 193
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

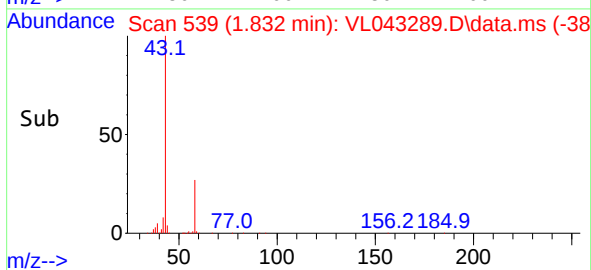
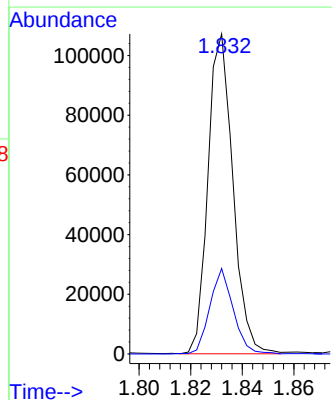
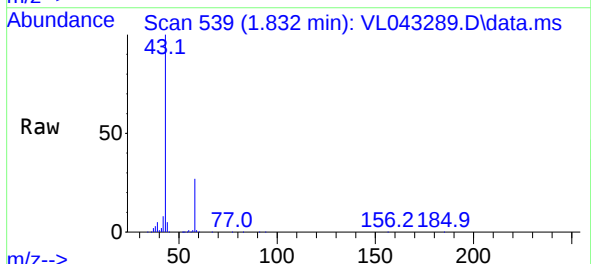
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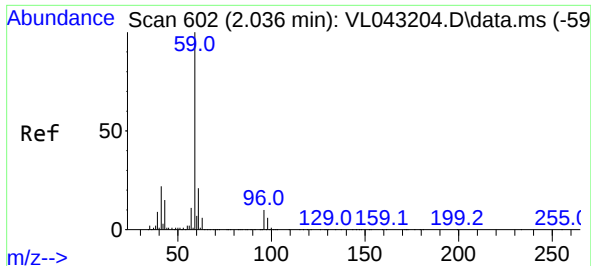
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 4.687 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Tgt Ion: 43 Resp: 71896
Ion Ratio Lower Upper
43 100
58 25.2 20.7 31.1





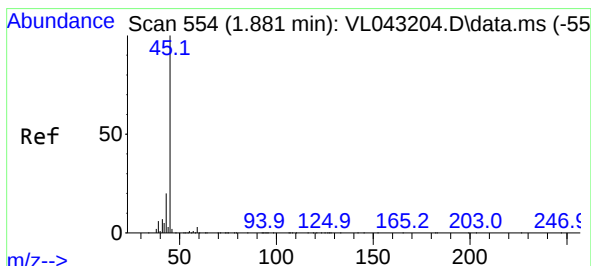
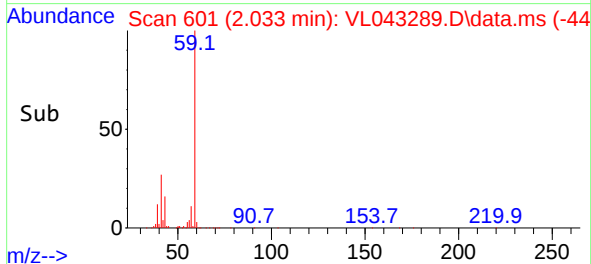
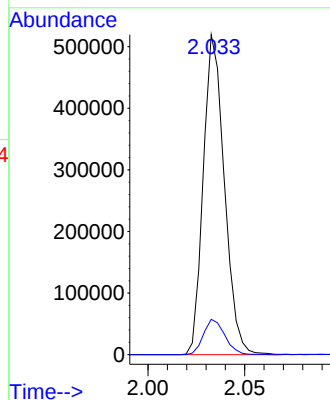
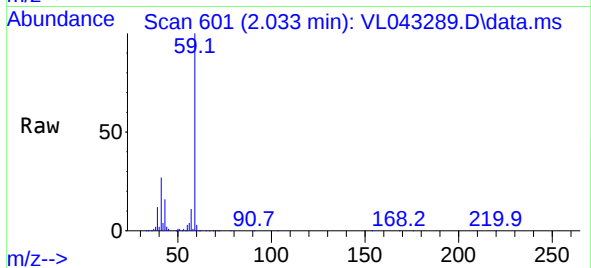
#17
tert-Butyl alcohol
Concen: 19.606 ppbv
RT: 2.033 min Scan# 602
Delta R.T. -0.004 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Instrument :
MSVOA_L
Client SampleId :
SV1DL

Tgt Ion: 59 Resp: 394738
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

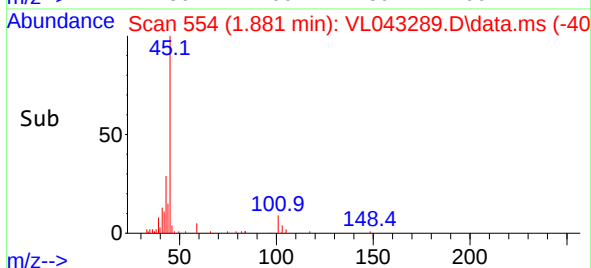
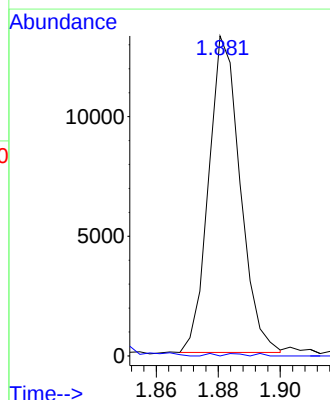
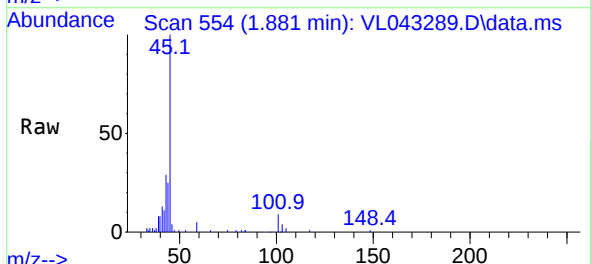
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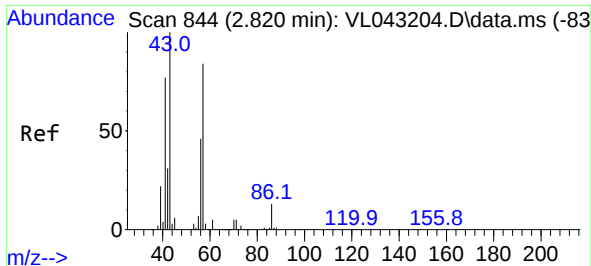
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#19
Isopropyl Alcohol
Concen: 1.077 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

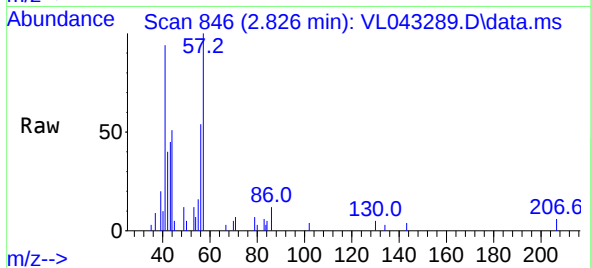
Tgt Ion: 45 Resp: 9336
Ion Ratio Lower Upper
45 100
58 194.3 31.3 46.9#





#26
Hexane
Concen: 0.115 ppbv m
RT: 2.826 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

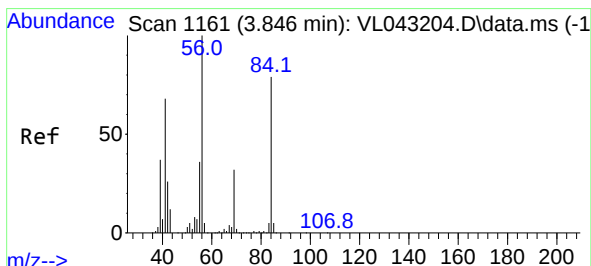
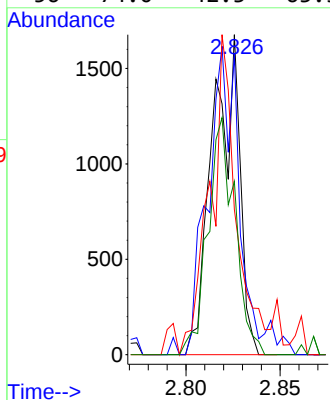
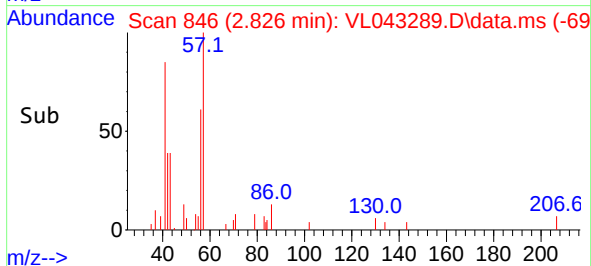
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 167
Ion Ratio Lower Upper
57 100
41 113.9 74.6 111.8
43 115.8 179.0 268.4
56 74.0 42.3 63.5

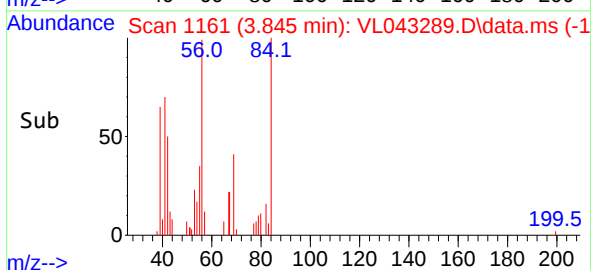
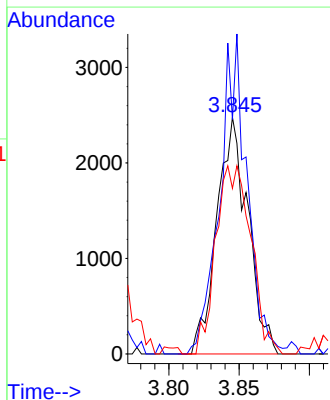
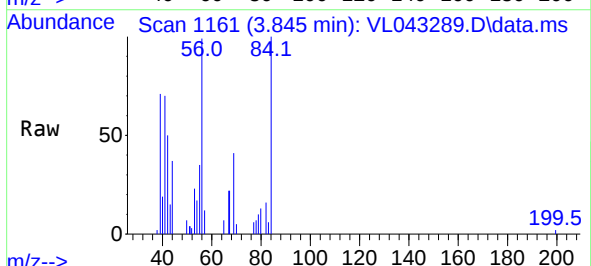
Manual Integrations
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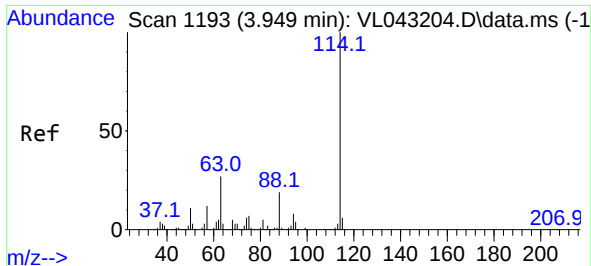
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#30
Cyclohexane
Concen: 0.313 ppbv m
RT: 3.845 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Tgt Ion: 84 Resp: 3804
Ion Ratio Lower Upper
84 100
56 120.0 104.7 157.1
41 90.3 69.0 103.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1193

Delta R.T. -0.004 min

Lab File: VL043289.D

Acq: 24 Nov 2025 20:07

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

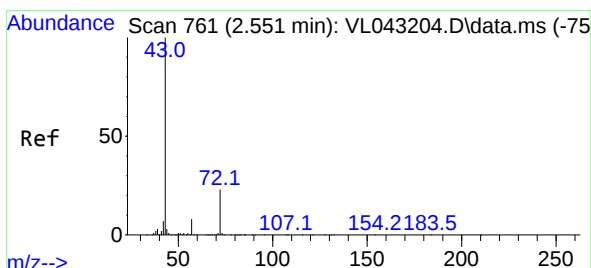
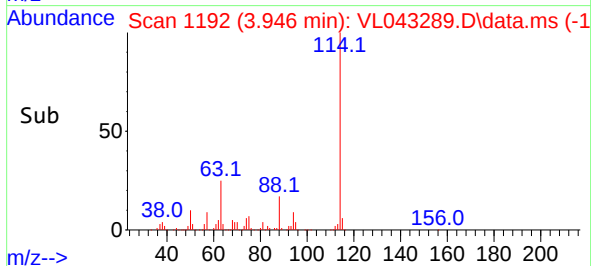
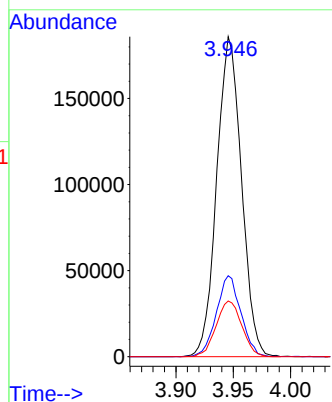
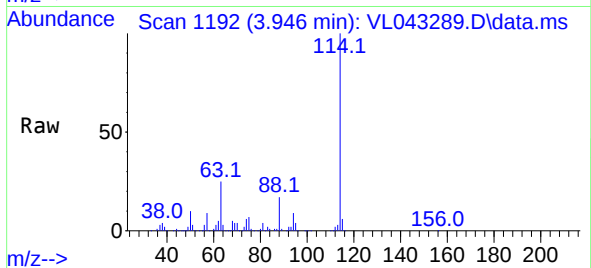
Tgt Ion:114 Resp: 279064

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.0	31.6
88	18.1	14.9	22.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#34

2-Butanone

Concen: 0.124 ppbv

RT: 2.554 min Scan# 762

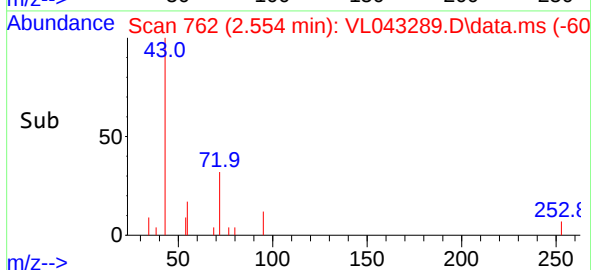
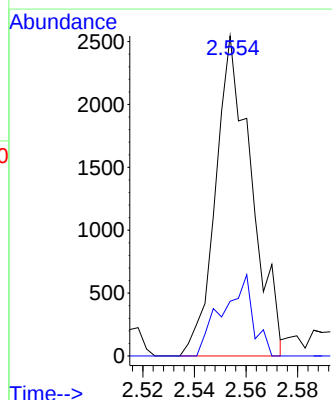
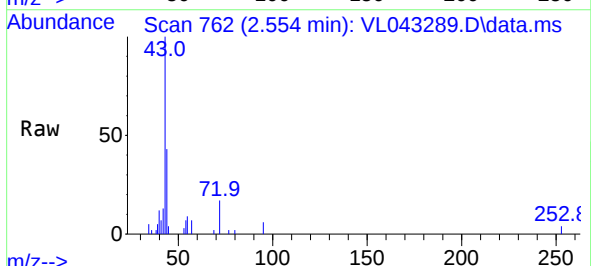
Delta R.T. 0.003 min

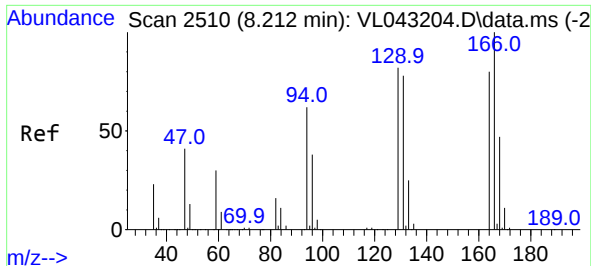
Lab File: VL043289.D

Acq: 24 Nov 2025 20:07

Tgt Ion: 43 Resp: 2452

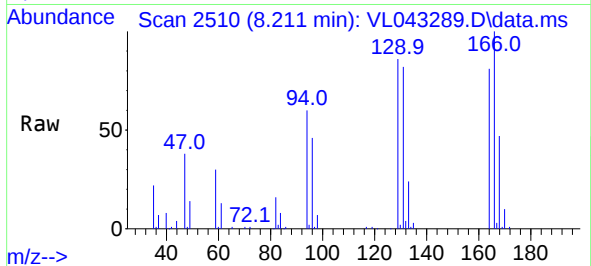
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1





#52
Tetrachloroethene
Concen: 2.264 ppbv
RT: 8.211 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

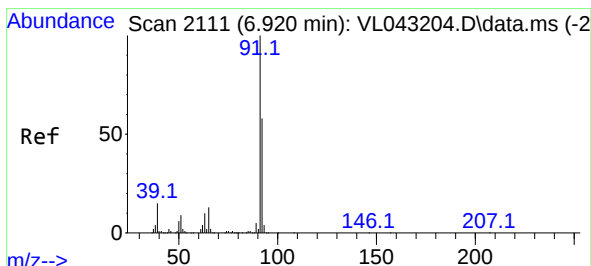
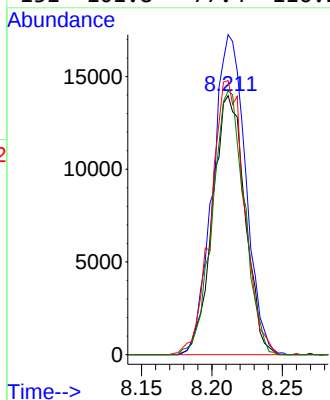
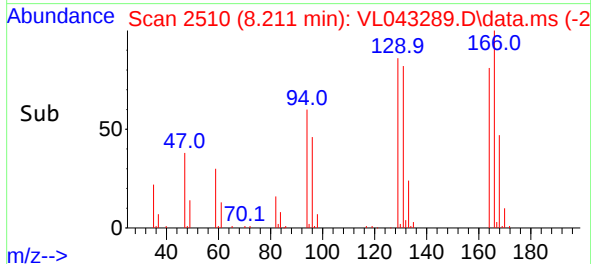
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



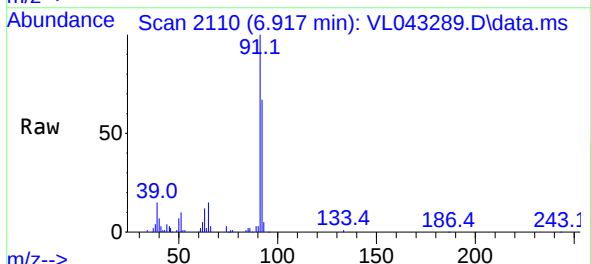
Tgt Ion:164 Resp: 22509
Ion Ratio Lower Upper
164 100
166 123.5 99.4 149.2
129 105.4 81.8 122.8
131 101.8 77.4 116.2

Manual Integrations
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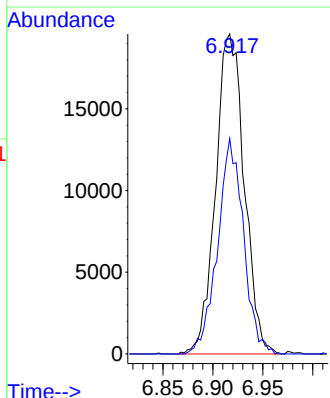
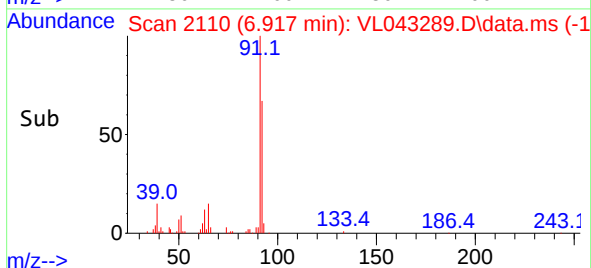
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

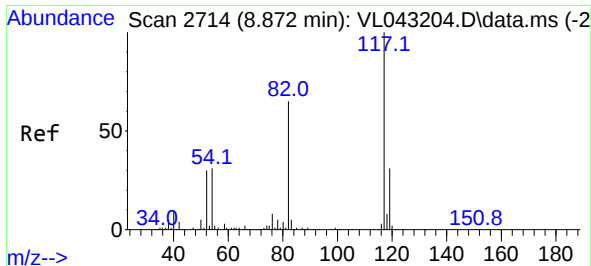


#53
Toluene
Concen: 1.234 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.004 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07



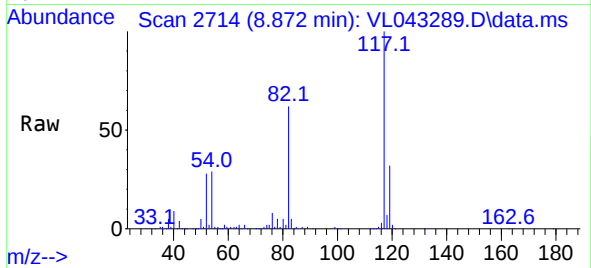
Tgt Ion: 91 Resp: 39048
Ion Ratio Lower Upper
91 100
92 61.0 47.4 71.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

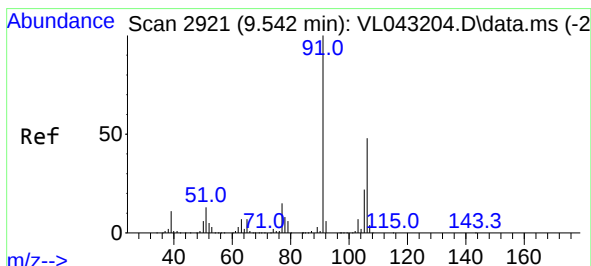
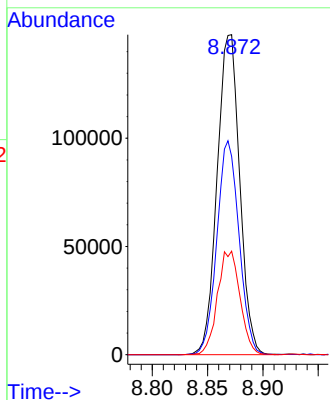
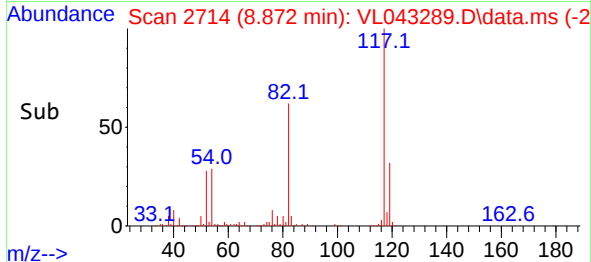
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 209824
Ion Ratio Lower Upper
117 100
82 65.7 56.1 84.1
119 32.4 25.0 37.6

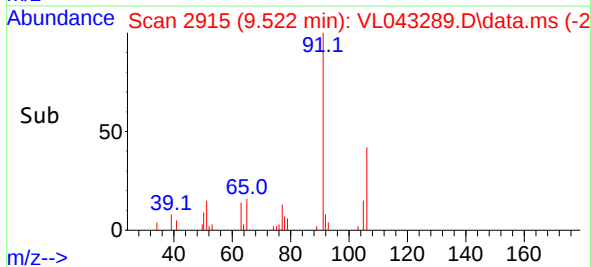
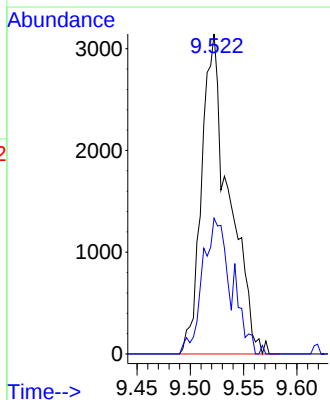
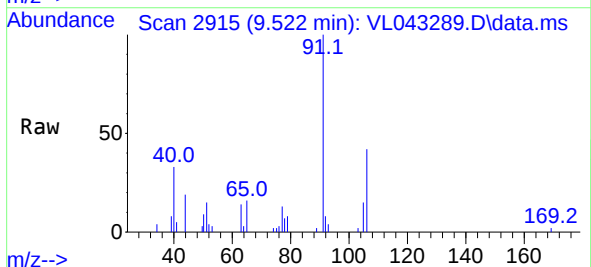
Manual Integrations
APPROVED

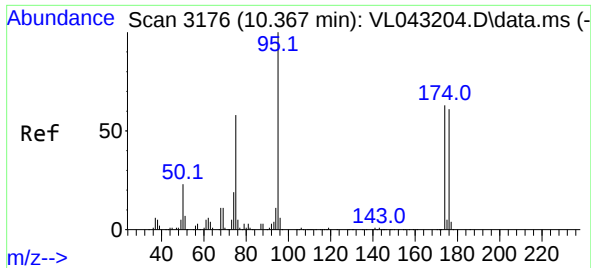
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#59
m/p-Xylene
Concen: 0.174 ppbv m
RT: 9.522 min Scan# 2915
Delta R.T. -0.020 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

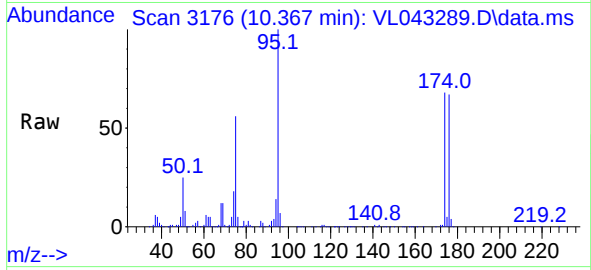
Tgt Ion: 91 Resp: 5635
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043289.D
Acq: 24 Nov 2025 20:07

Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 95 Resp: 151349
Ion Ratio Lower Upper
95 100
174 65.6 50.2 75.2
175 4.9 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

