

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041848.D
 Acq On : 07 Jan 2025 17:33
 Operator : SY/MD
 Sample : Q1031-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 03:55:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 03:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	81531	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	178626	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	151437	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	124224	9.578	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	5363	0.401	ppbv	98
3) Chlorodifluoromethane	1.483	51	5130	0.401	ppbv #	91
4) Chloromethane	1.538	50	2745	0.499	ppbv	92
9) Propene	1.492	41	4257	0.957	ppbv	91
11) Trichlorofluoromethane	1.884	101	2935	0.216	ppbv	92
13) Ethanol	1.729	45	50348	86.128	ppbv	99
15) Acetone	1.845	43	34673	2.310	ppbv	93
20) Methylene Chloride	2.068	84	5699	1.328	ppbv	97
26) Hexane	2.839	57	1841	0.211	ppbv #	40
29) Chloroform	2.865	83	3861	0.238	ppbv	90
34) 2-Butanone	2.573	43	1704m	0.121	ppbv	
35) Carbon Tetrachloride	3.784	117	1137m	0.084	ppbv	
36) Benzene	3.671	78	3733m	0.219	ppbv	
53) Toluene	6.956	91	3915m	0.258	ppbv	
59) m/p-Xylene	9.552	91	1863m	0.102	ppbv	

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

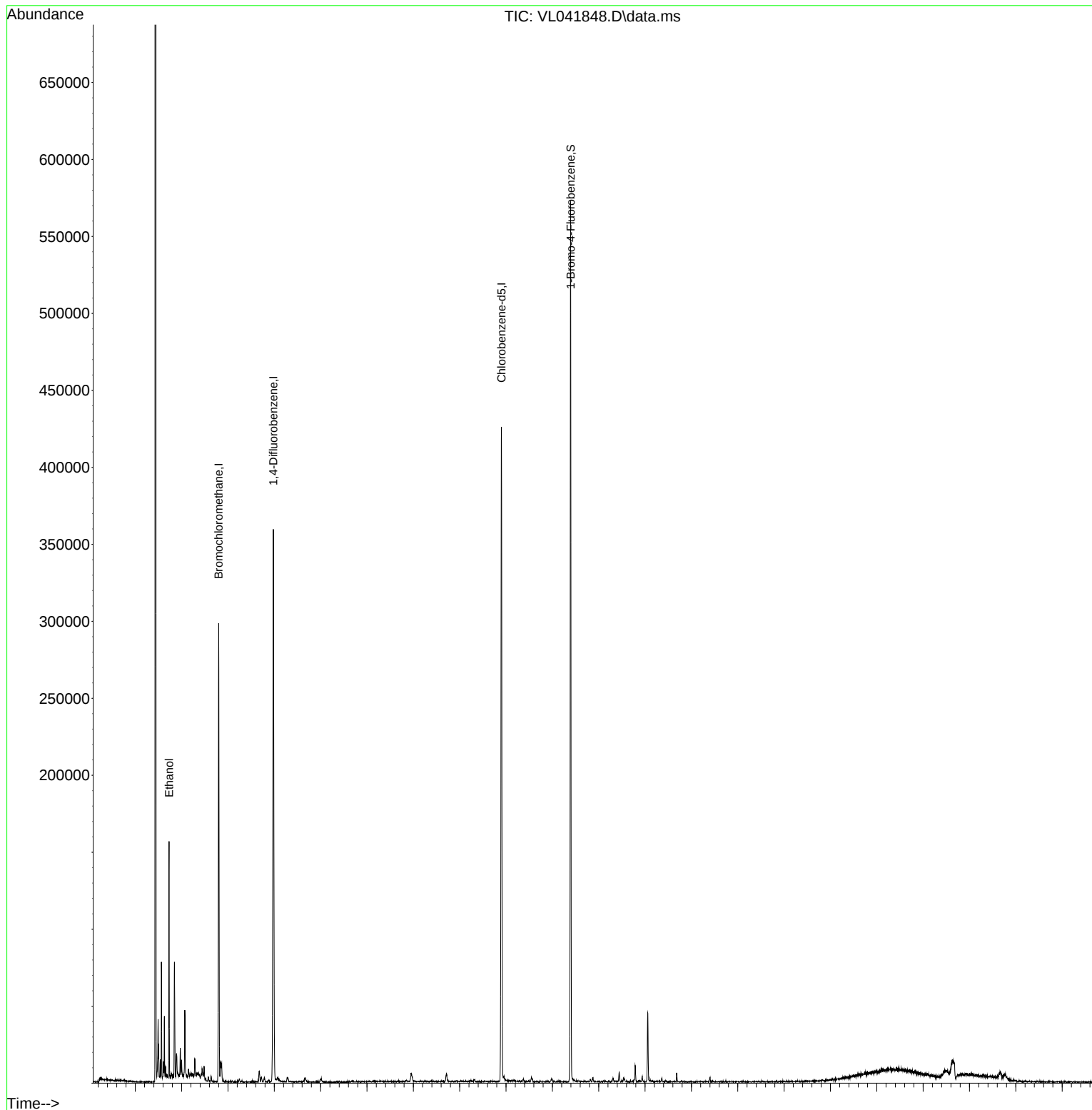
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041848.D
Acq On : 07 Jan 2025 17:33
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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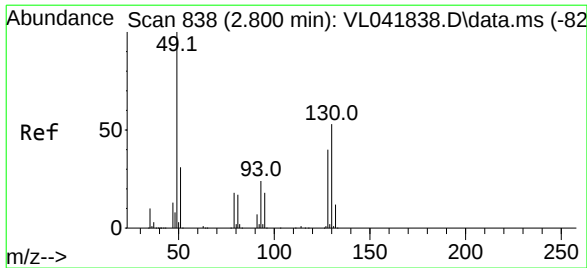
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Jan 08 03:55:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

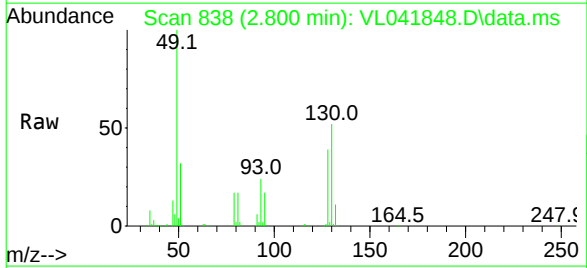
Reviewed By : Semsettin Yesilyurt 01/09/2025
Supervised By : Mahesh Dadoda 01/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

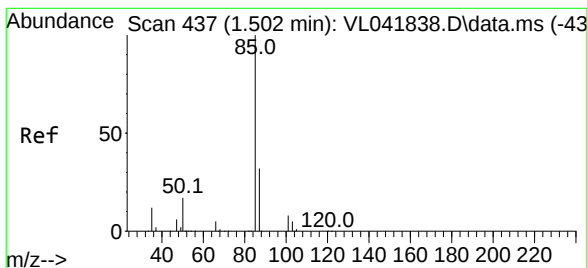
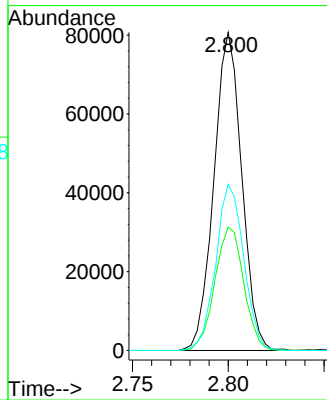
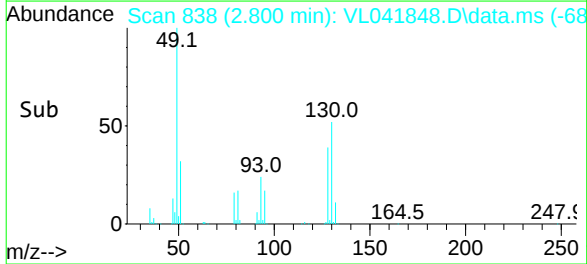
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 81531
Ion Ratio Lower Upper
49 100
128 40.4 19.7 59.1
130 52.9 26.4 79.2

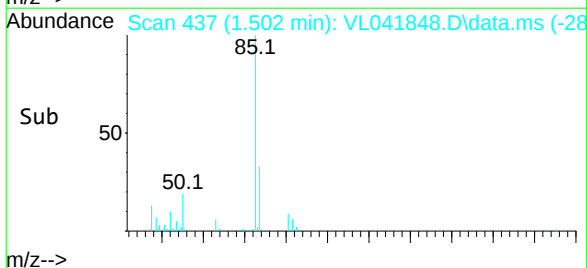
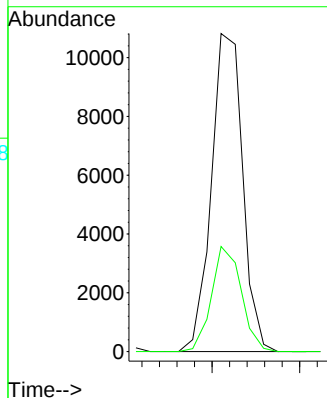
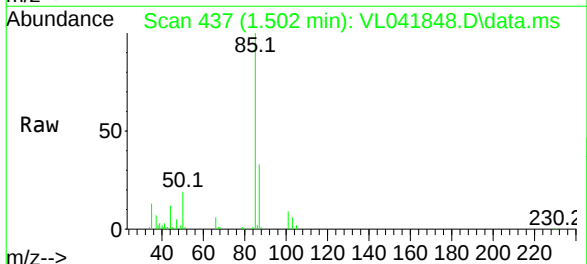
Manual Integrations
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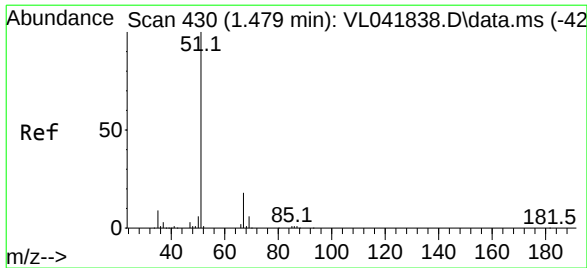
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#2
Dichlorodifluoromethane
Concen: 0.401 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

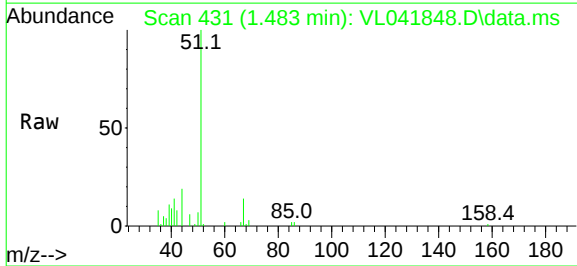
Tgt Ion: 85 Resp: 5363
Ion Ratio Lower Upper
85 100
87 33.0 25.6 38.4





#3
Chlorodifluoromethane
Concen: 0.401 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

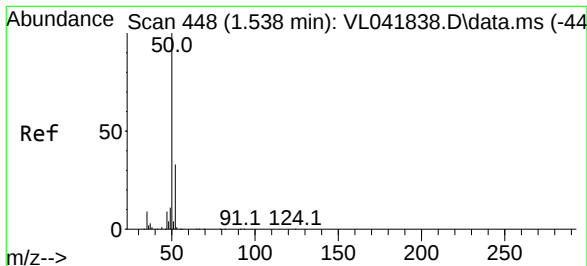
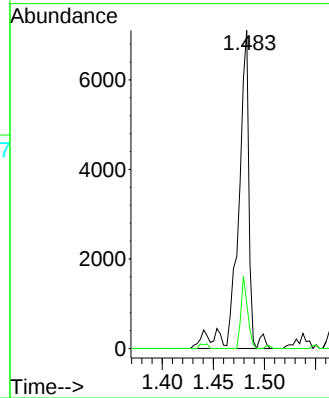
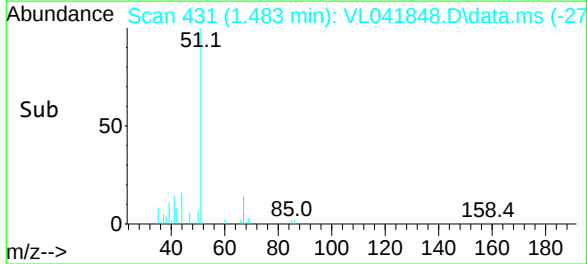
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 51 Resp: 5130
Ion Ratio Lower Upper
51 100
67 14.5 14.6 22.0

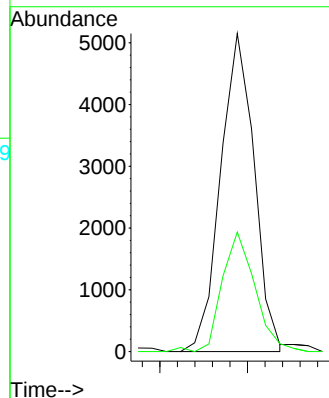
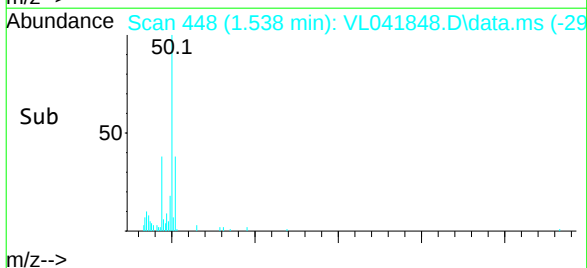
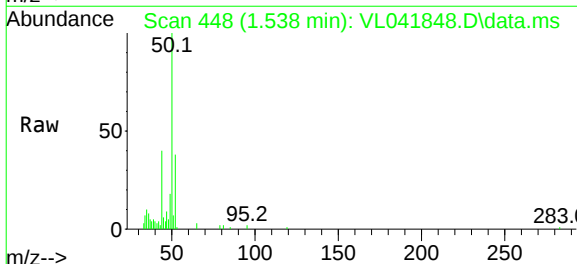
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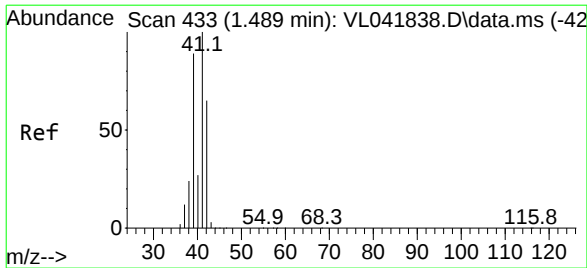
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#4
Chloromethane
Concen: 0.499 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

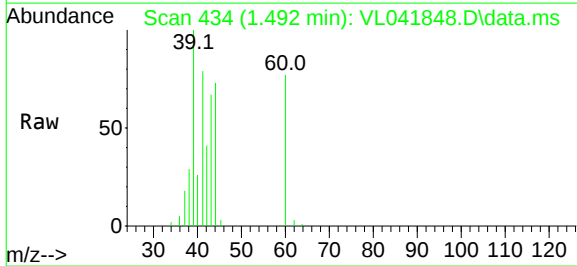
Tgt Ion: 50 Resp: 2745
Ion Ratio Lower Upper
50 100
52 36.9 26.1 39.1





#9
Propene
Concen: 0.957 ppbv
RT: 1.492 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

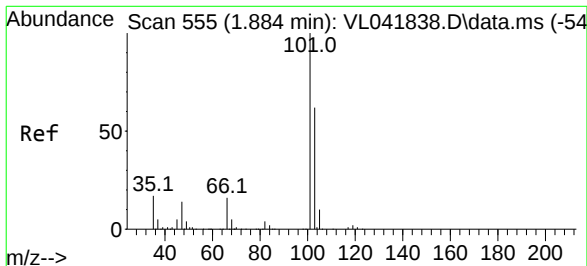
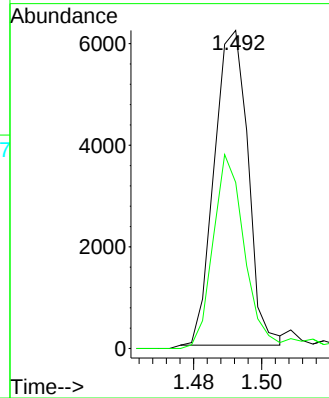
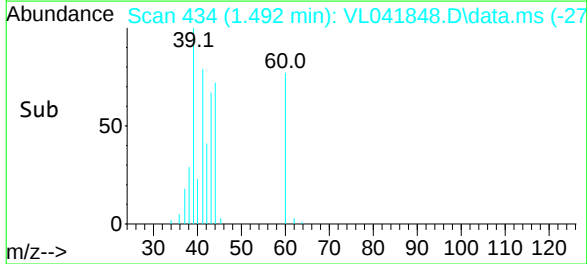
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 41 Resp: 4257
Ion Ratio Lower Upper
41 100
42 60.3 53.9 80.9

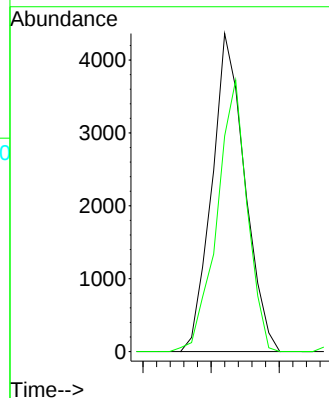
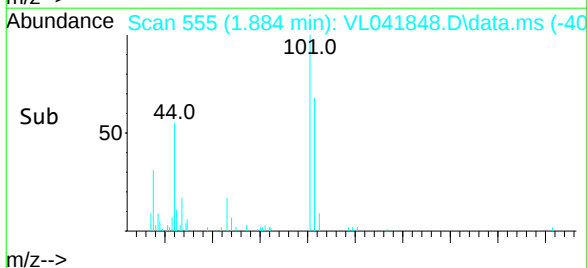
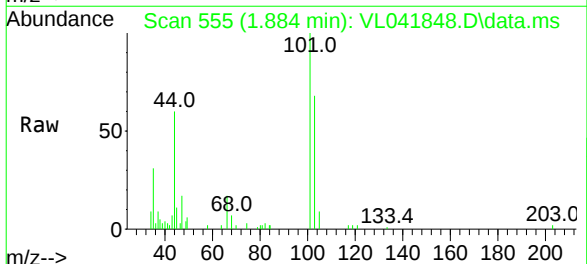
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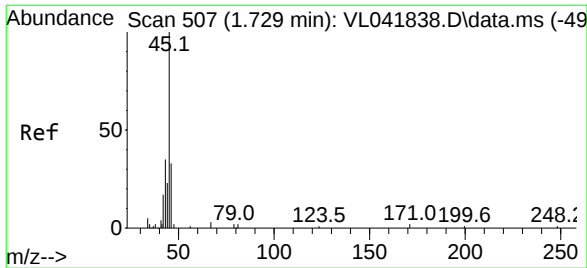
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#11
Trichlorofluoromethane
Concen: 0.216 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

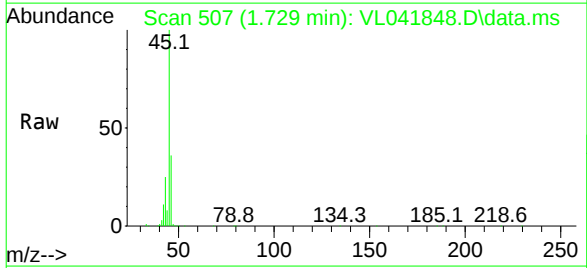
Tgt Ion:101 Resp: 2935
Ion Ratio Lower Upper
101 100
103 67.8 49.4 74.0





#13
Ethanol
Concen: 86.128 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

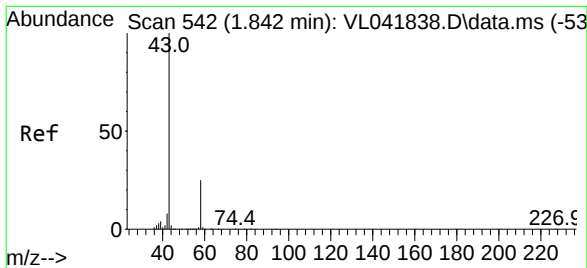
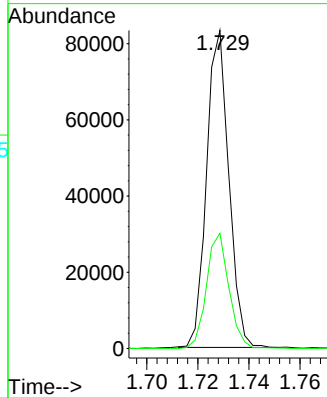
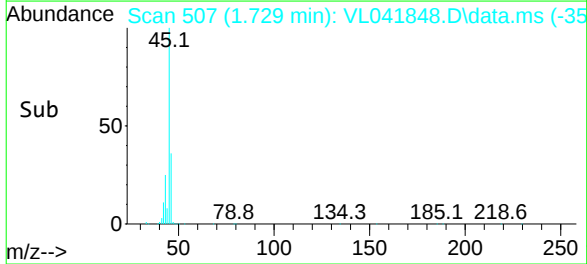
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



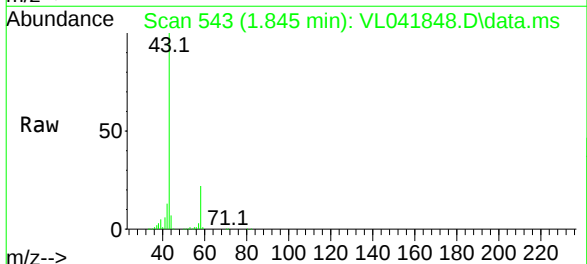
Tgt Ion: 45 Resp: 50348
Ion Ratio Lower Upper
45 100
46 36.9 14.6 58.2

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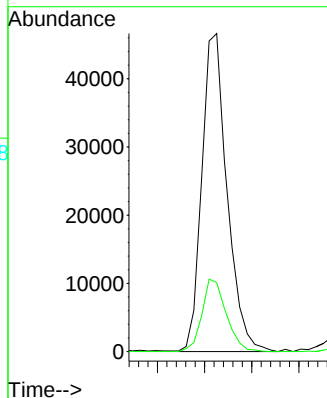
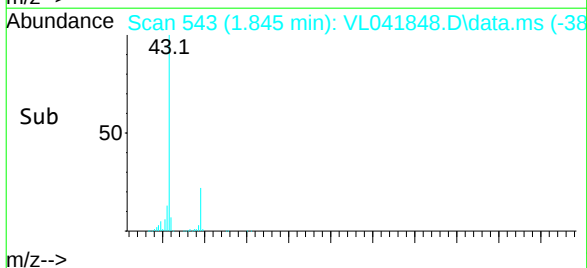
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

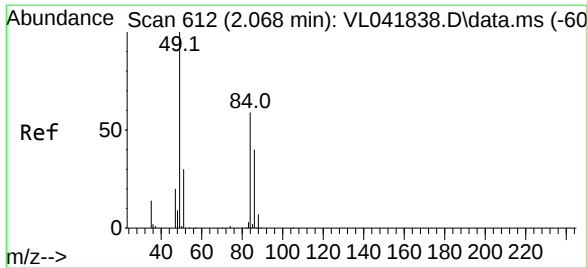


#15
Acetone
Concen: 2.310 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33



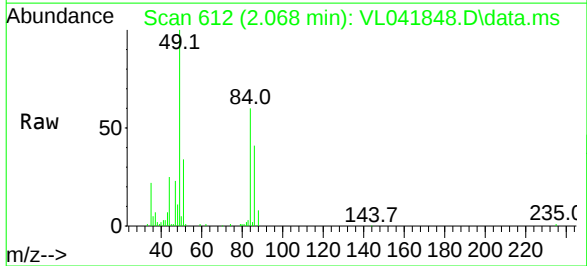
Tgt Ion: 43 Resp: 34673
Ion Ratio Lower Upper
43 100
58 21.9 20.2 30.4





#20
Methylene Chloride
Concen: 1.328 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

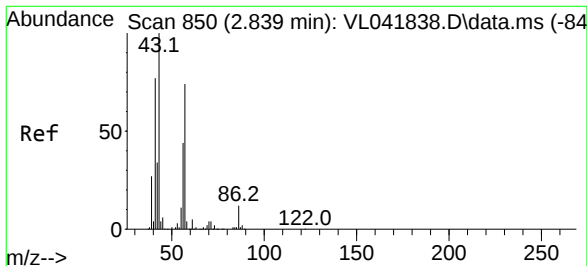
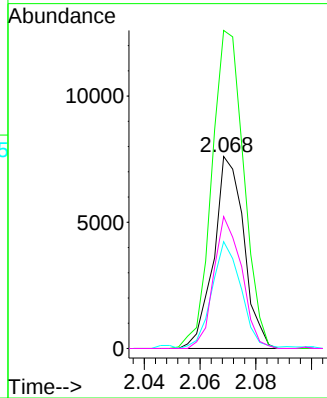
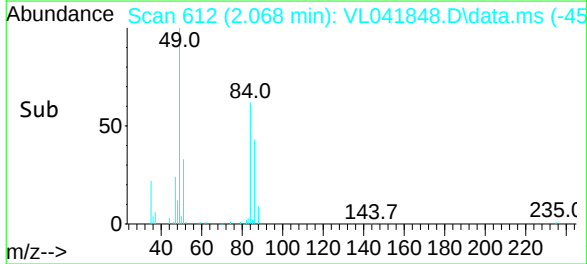
Instrument :
MSVOA_L
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IA1DUP



Tgt Ion:	84	Resp:	5699
Ion	Ratio	Lower	Upper
84	100		
49	165.6	137.8	206.8
51	55.6	43.9	65.9
86	68.7	53.9	80.9

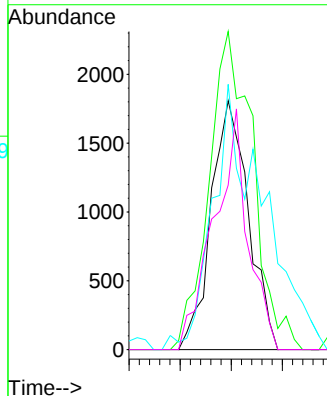
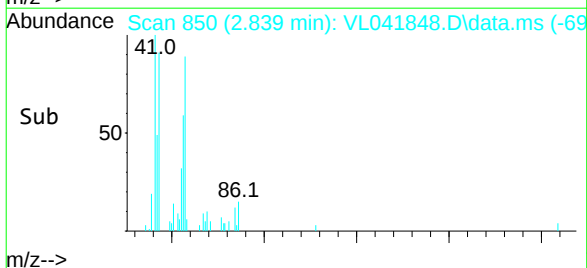
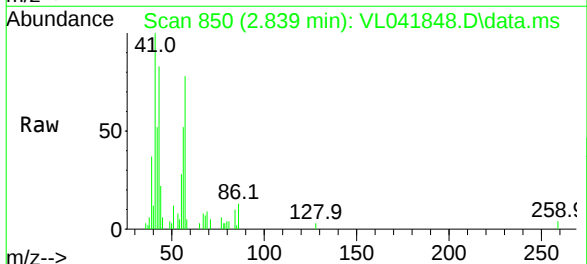
Manual Integrations
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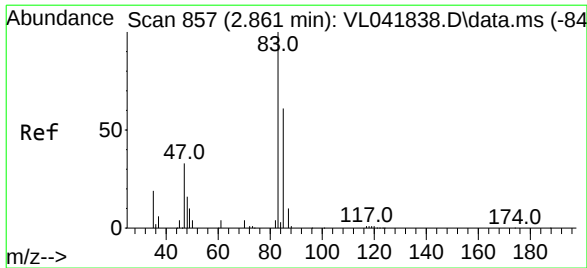
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#26
Hexane
Concen: 0.211 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

Tgt Ion:	57	Resp:	1841
Ion	Ratio	Lower	Upper
57	100		
41	152.8	84.0	126.0#
43	146.1	218.4	327.6#
56	86.9	45.7	68.5#





#29

Chloroform

Concen: 0.238 ppbv

RT: 2.865 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041848.D

Acq: 07 Jan 2025 17:33

Instrument :

MSVOA_L

ClientSampleId :

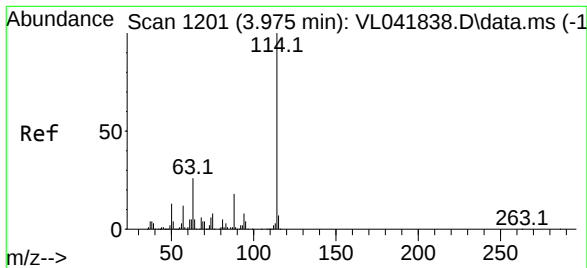
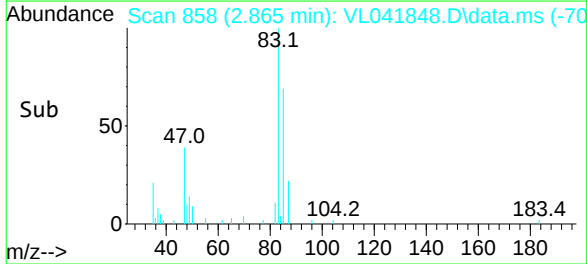
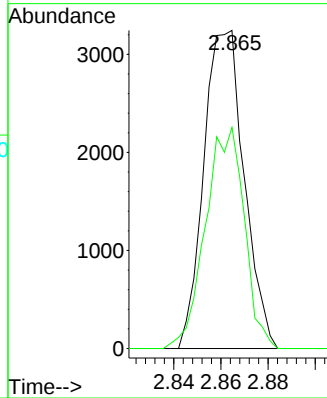
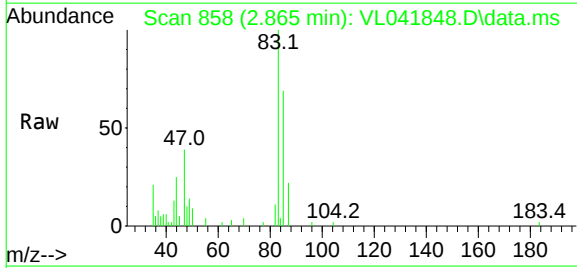
IA1DUP

Tgt Ion:	83	Resp:	3861
Ion	Ratio	Lower	Upper
83	100		
85	69.5	49.6	74.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/09/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

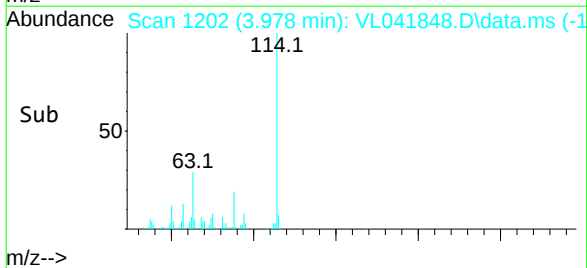
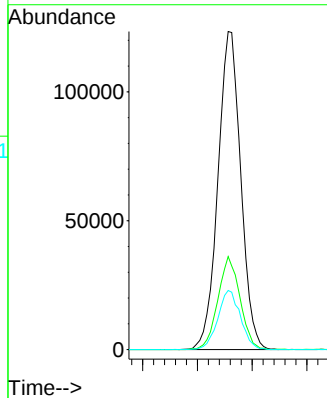
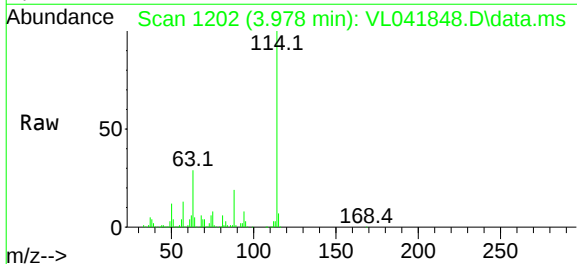
RT: 3.978 min Scan# 1202

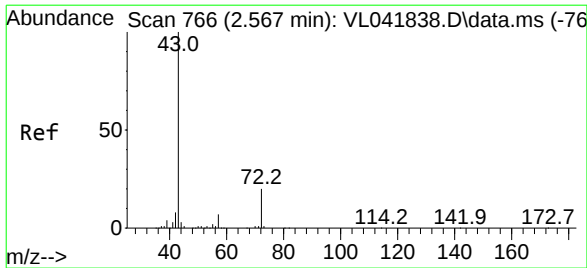
Delta R.T. 0.003 min

Lab File: VL041848.D

Acq: 07 Jan 2025 17:33

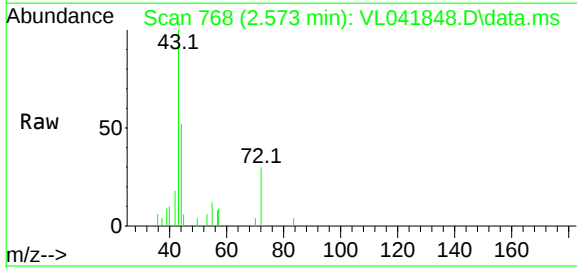
Tgt Ion:	114	Resp:	178626
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.3	33.5
88	18.5	14.9	22.3





#34
2-Butanone
Concen: 0.121 ppbv m
RT: 2.573 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

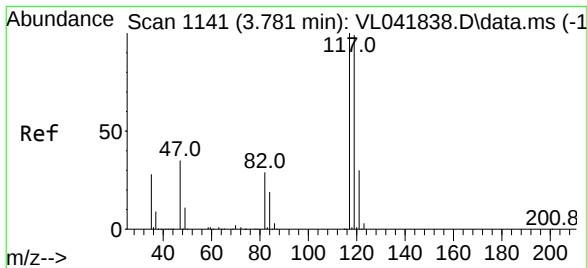
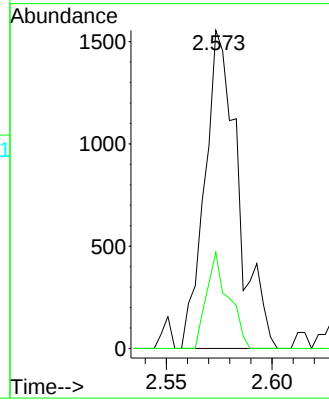
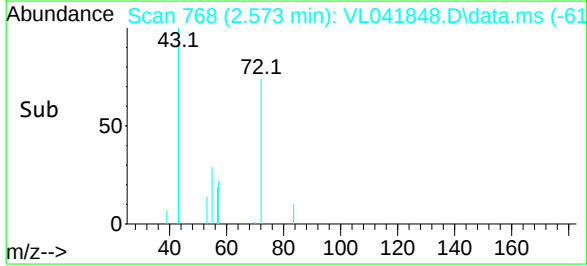
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
72 19.9 16.6 25.0

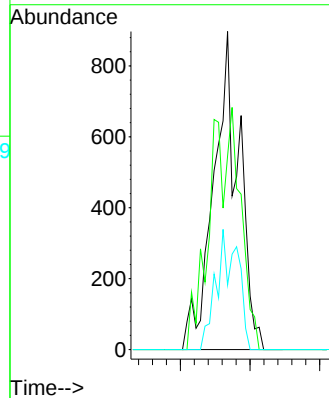
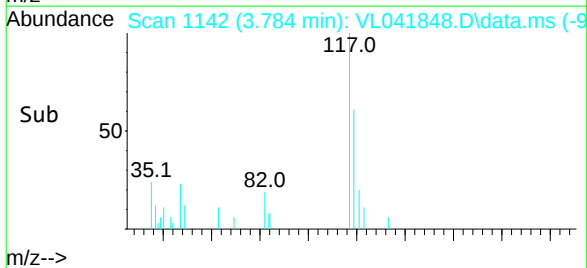
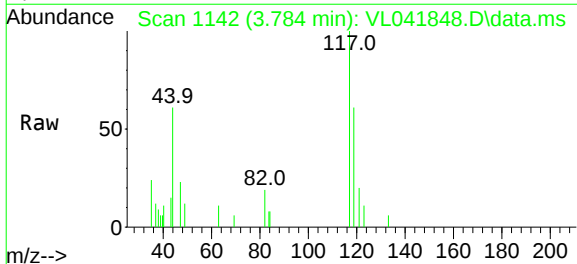
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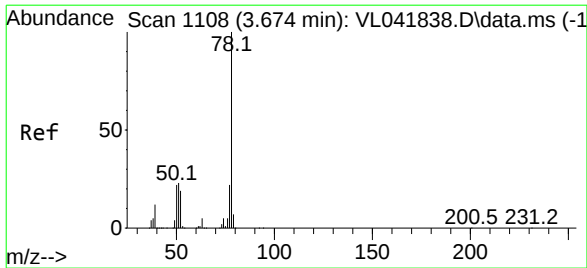
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 3.784 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

Tgt Ion:117 Resp: 1137
Ion Ratio Lower Upper
117 100
119 60.9 79.1 118.7#
121 20.3 24.2 36.2#





#36

Benzene

Concen: 0.219 ppbv m

RT: 3.671 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041848.D

Acq: 07 Jan 2025 17:33

Instrument :

MSVOA_L

ClientSampleId :

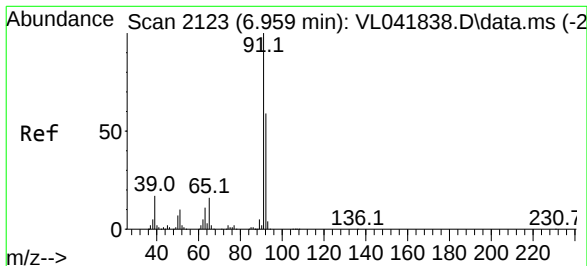
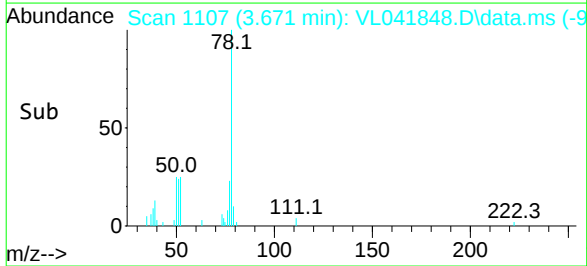
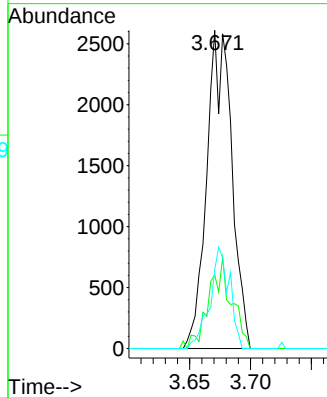
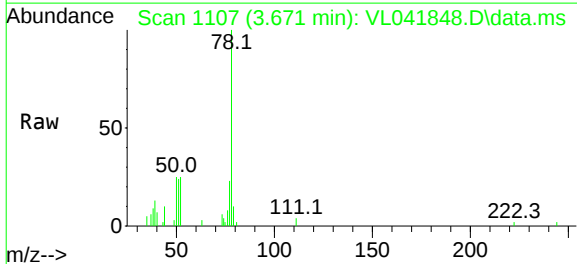
IA1DUP

Tgt Ion: 78	Resp: 3733
Ion Ratio	Lower Upper
78 100	
77 23.1	17.4 26.0
50 24.9	17.3 25.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#53

Toluene

Concen: 0.258 ppbv m

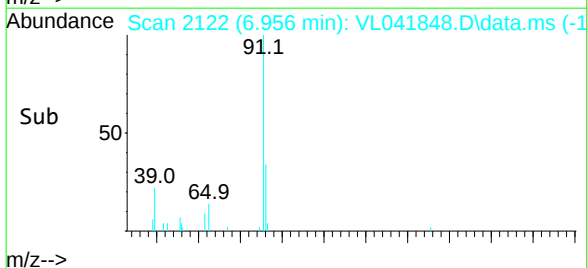
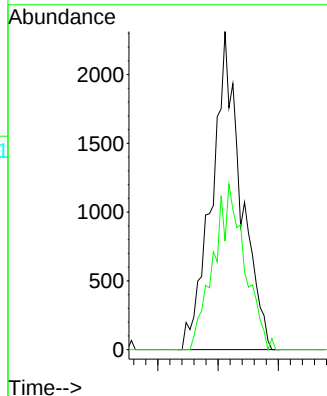
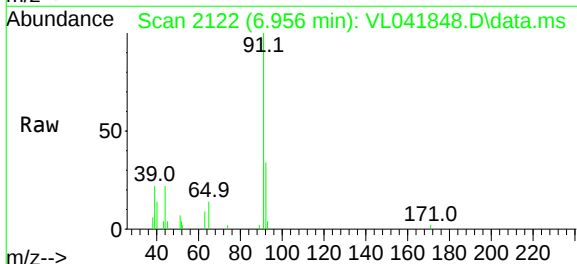
RT: 6.956 min Scan# 2122

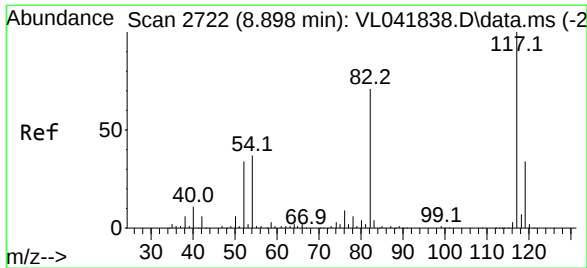
Delta R.T. -0.003 min

Lab File: VL041848.D

Acq: 07 Jan 2025 17:33

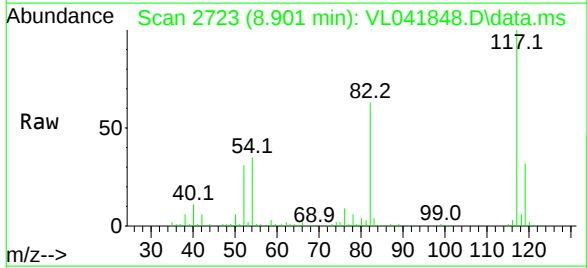
Tgt Ion: 91	Resp: 3915
Ion Ratio	Lower Upper
91 100	
92 0.0	47.8 71.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2722
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

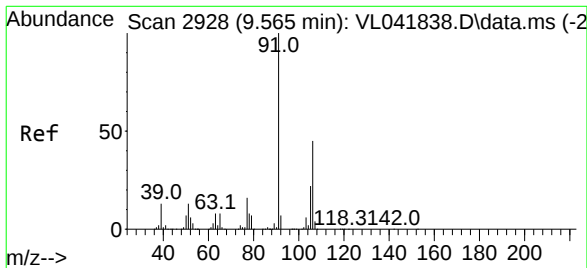
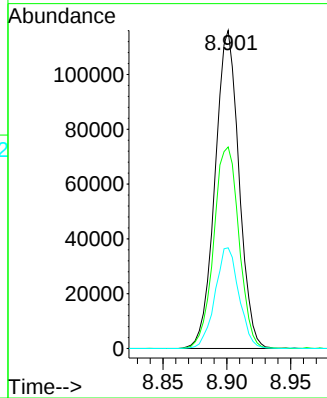
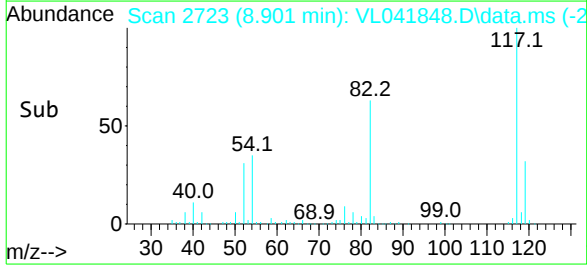
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 151437
Ion Ratio Lower Upper
117 100
82 66.8 59.1 88.7
119 31.7 27.3 40.9

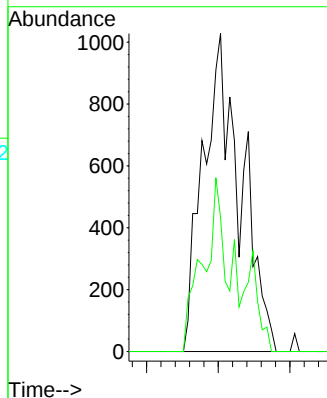
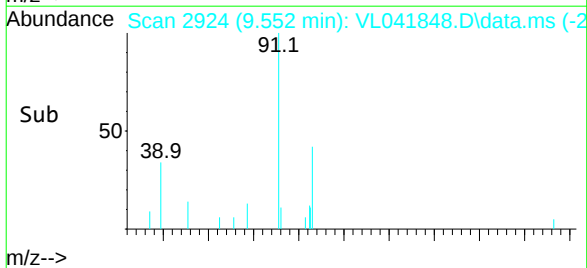
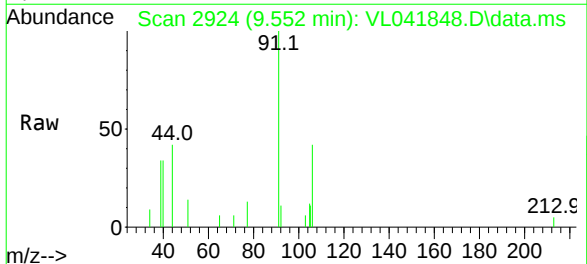
Manual Integrations
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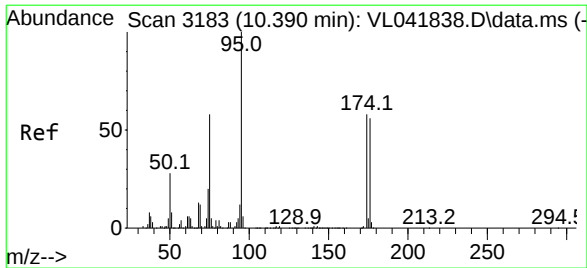
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#59
m/p-Xylene
Concen: 0.102 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. -0.013 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

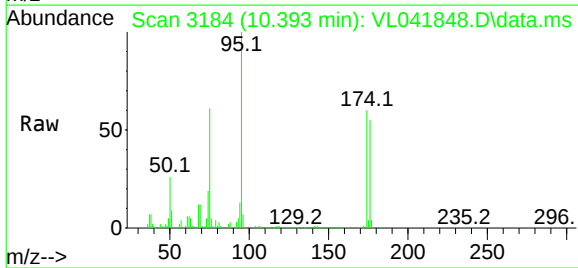
Tgt Ion: 91 Resp: 1863
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.578 ppbv
RT: 10.393 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VL041848.D
Acq: 07 Jan 2025 17:33

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 95 Resp: 124224
Ion Ratio Lower Upper
95 100
174 59.1 47.6 71.4
175 4.4 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

