

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042099.D
 Acq On : 05 Mar 2025 12:11
 Operator : SY/MD
 Sample : Q1483-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:05:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	165058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	375944	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	314364	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	234544	9.698	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	11057	0.644	ppbv	95
3) Chlorodifluoromethane	1.482	51	129458m	5.397	ppbv	
4) Chloromethane	1.537	50	4046	0.637	ppbv	93
9) Propene	1.492	41	30787m	3.150	ppbv	
11) Trichlorofluoromethane	1.887	101	14000	0.814	ppbv	98
13) Ethanol	1.728	45	307626	495.858	ppbv	93
15) Acetone	1.842	43	161003	11.046	ppbv	98
19) Isopropyl Alcohol	1.894	45	71712	8.565	ppbv #	74
20) Methylene Chloride	2.068	84	3691	0.669	ppbv #	83
26) Hexane	2.842	57	2889	0.122	ppbv #	1
29) Chloroform	2.865	83	22818	0.719	ppbv	84
31) cis-1,2-Dichloroethene	2.735	61	3843m	0.172	ppbv	
34) 2-Butanone	2.573	43	8257	0.282	ppbv	97
35) Carbon Tetrachloride	3.780	117	2317m	0.089	ppbv	
36) Benzene	3.680	78	8601m	0.219	ppbv	
38) Trichloroethene	4.570	130	3407m	0.212	ppbv	
52) Tetrachloroethene	8.250	164	105718	7.847	ppbv	98
53) Toluene	6.962	91	8000m	0.182	ppbv	
59) m/p-Xylene	9.551	91	4642m	0.101	ppbv	
76) 1,4-Dichlorobenzene	11.691	146	9365	0.297	ppbv	91

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

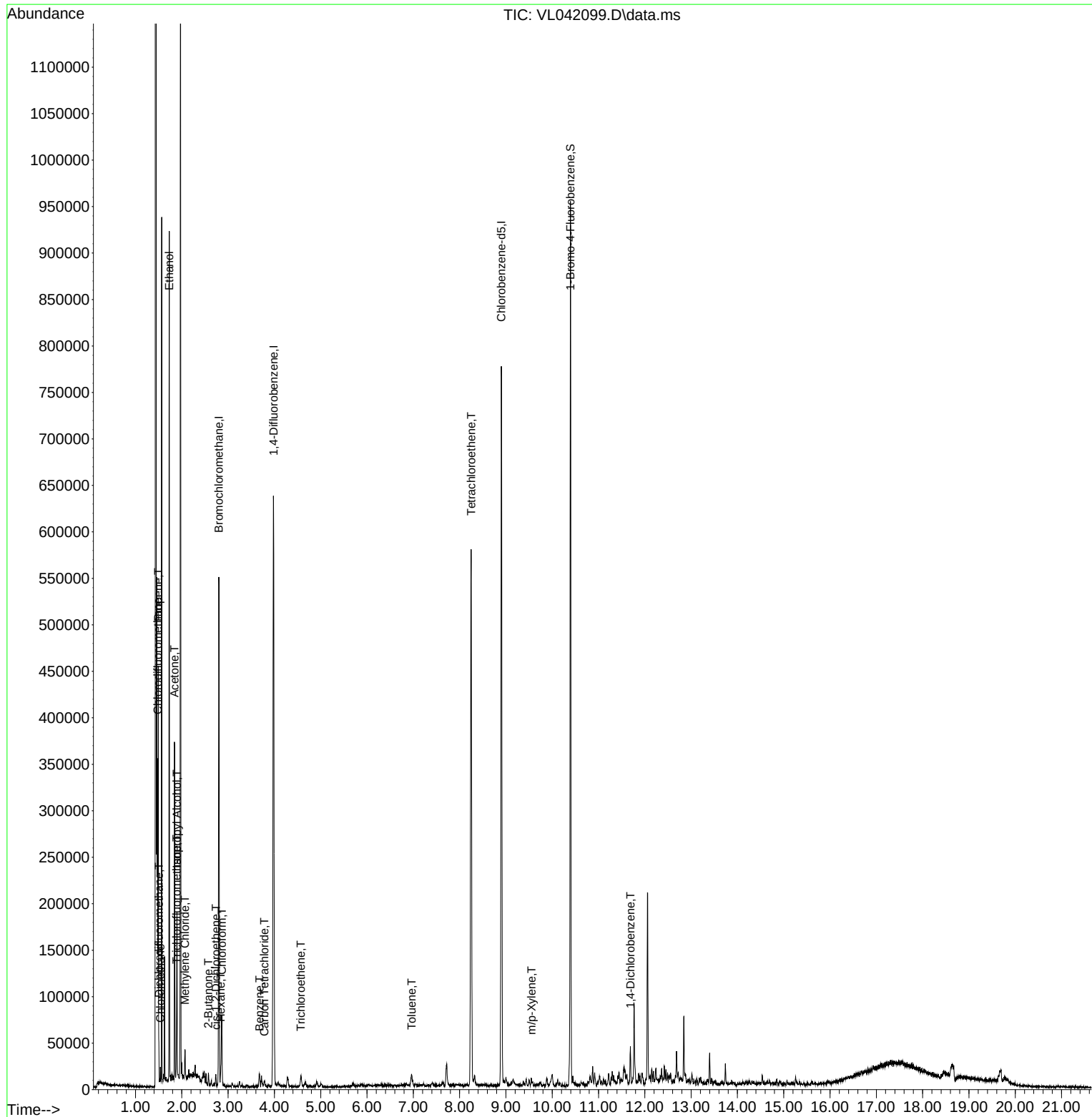
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
Data File : VL042099.D
Acq On : 05 Mar 2025 12:11
Operator : SY/MD
Sample : Q1483-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

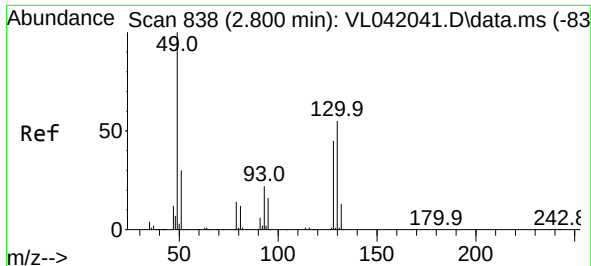
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Mar 06 01:05:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

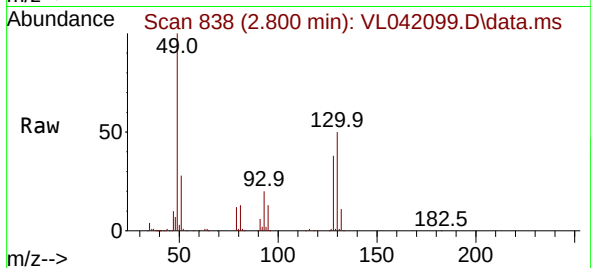
Reviewed By : Semsettin Yesilyurt 03/06/2025
Supervised By : Mahesh Dadoda 03/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

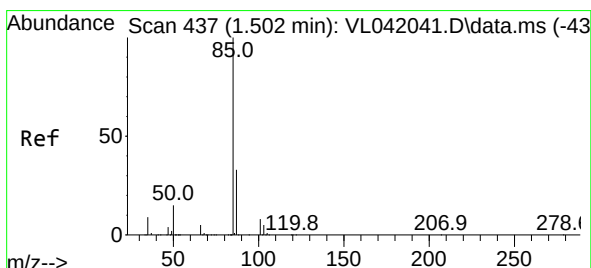
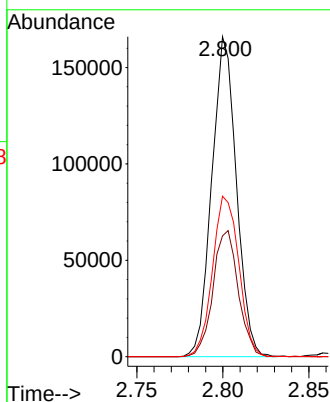
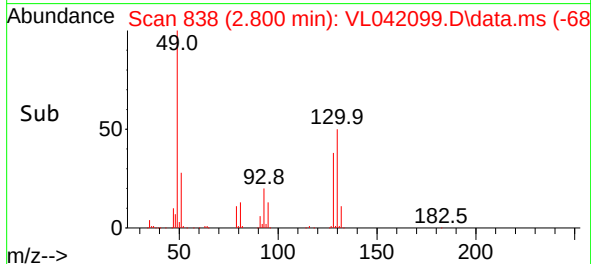
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



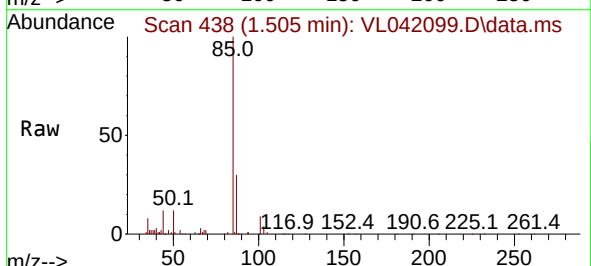
Tgt Ion: 49 Resp: 165058
Ion Ratio Lower Upper
49 100
128 40.6 21.6 64.8
130 53.8 27.8 83.4

Manual Integrations
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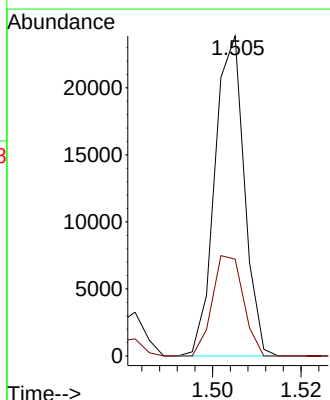
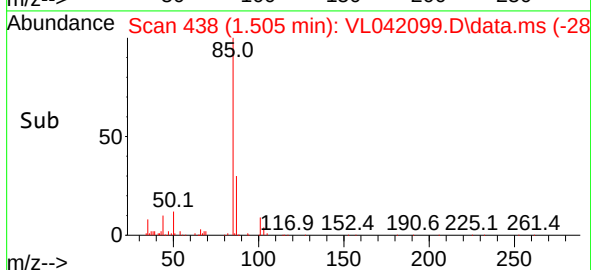
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

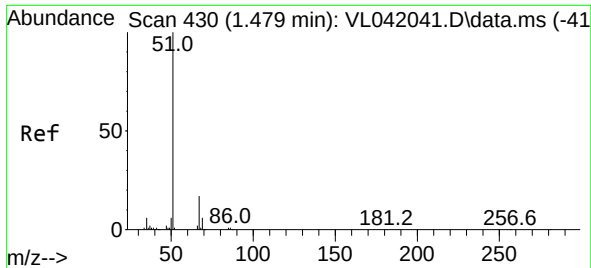


#2
Dichlorodifluoromethane
Concen: 0.644 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11



Tgt Ion: 85 Resp: 11057
Ion Ratio Lower Upper
85 100
87 30.3 26.4 39.6





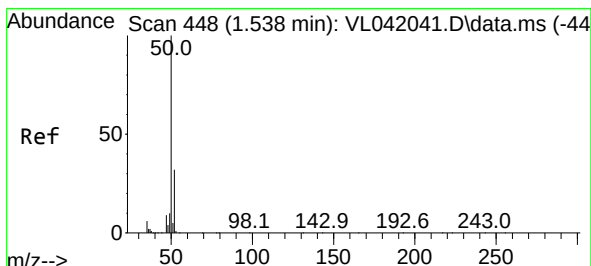
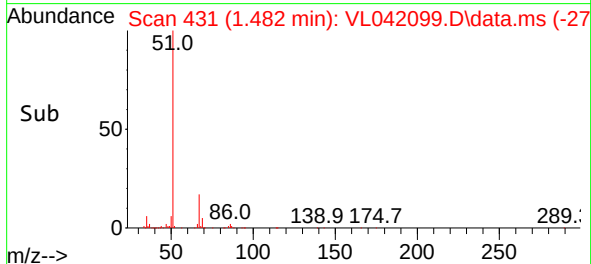
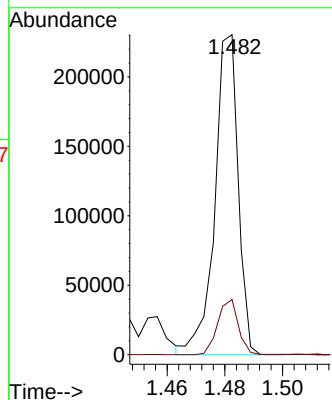
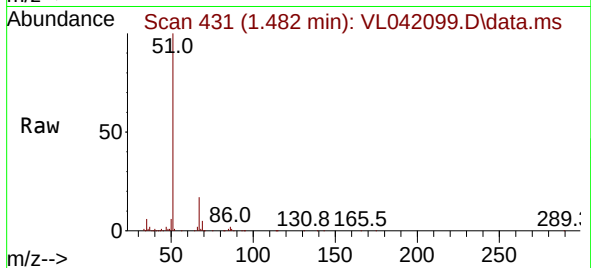
#3
Chlorodifluoromethane
Concen: 5.397 ppbv m
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 51 Resp: 129458
Ion Ratio Lower Upper
51 100
67 15.4 13.7 20.5

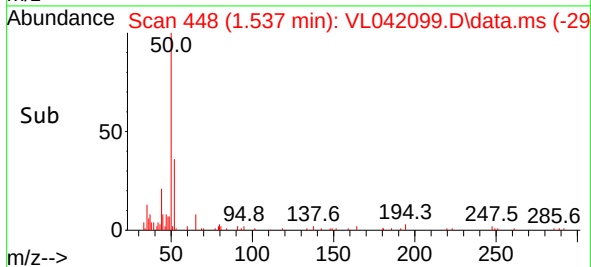
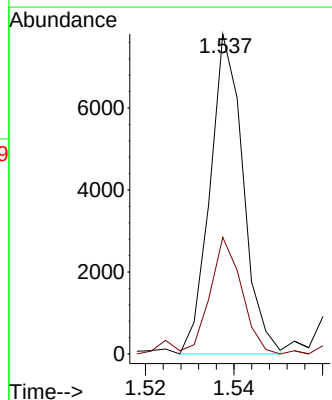
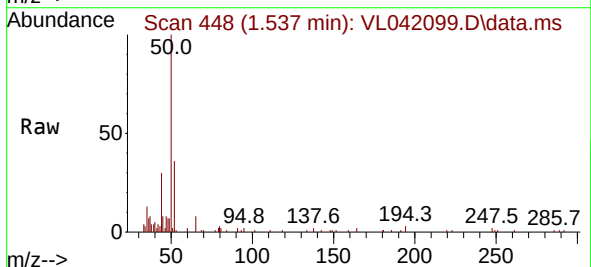
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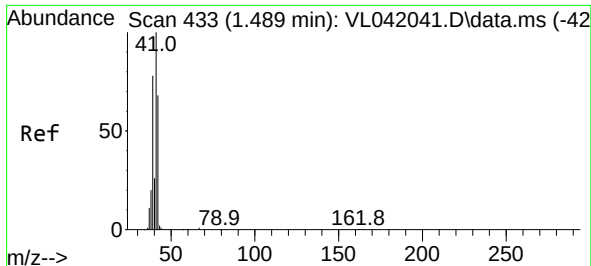
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#4
Chloromethane
Concen: 0.637 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

Tgt Ion: 50 Resp: 4046
Ion Ratio Lower Upper
50 100
52 35.4 25.4 38.0





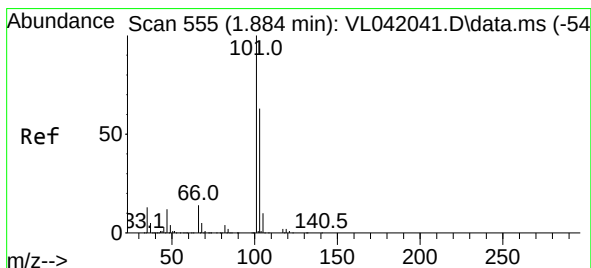
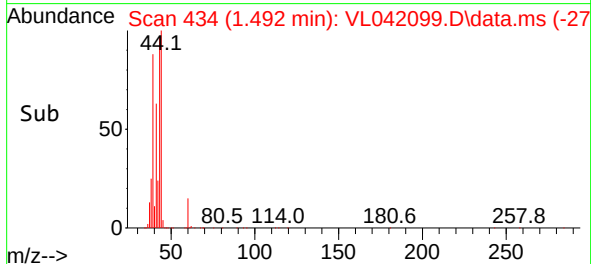
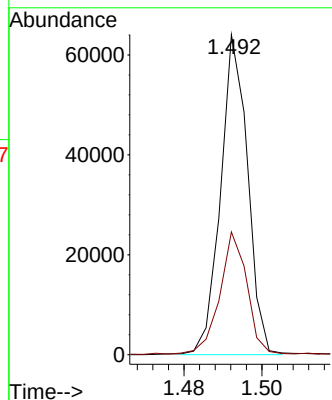
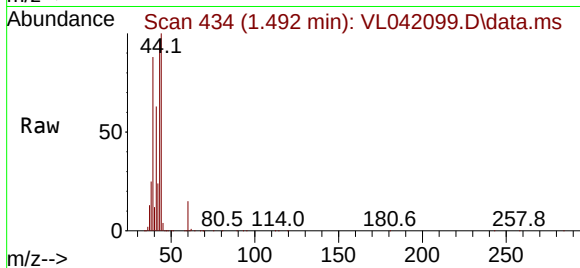
#9
Propene
Concen: 3.150 ppbv m
RT: 1.492 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 3078
Ion Ratio Lower Upper
41 100
42 230.3 55.8 83.6

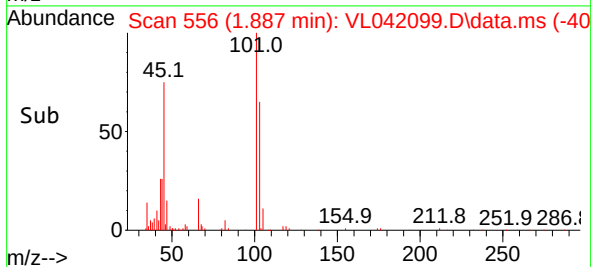
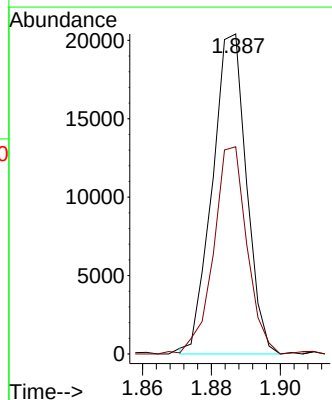
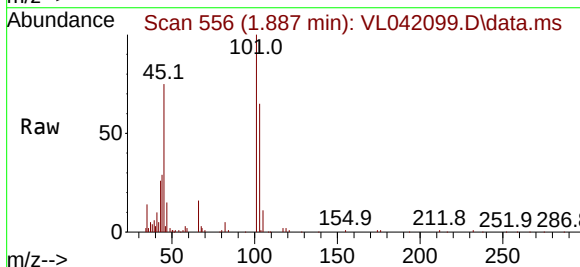
Manual Integrations
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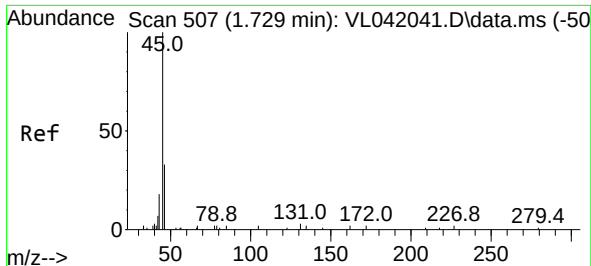
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#11
Trichlorofluoromethane
Concen: 0.814 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

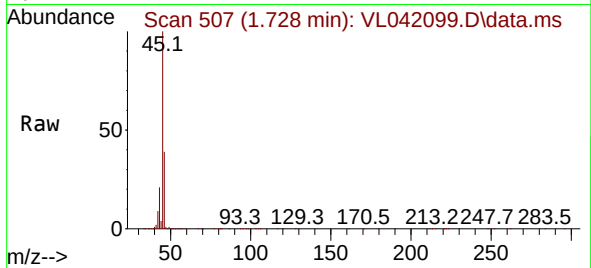
Tgt Ion:101 Resp: 14000
Ion Ratio Lower Upper
101 100
103 64.7 50.6 75.8





#13
Ethanol
Concen: 495.858 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

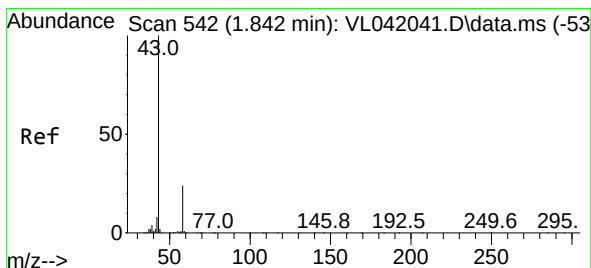
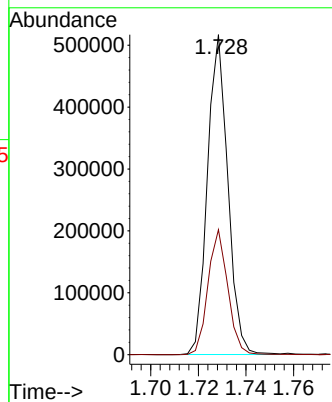
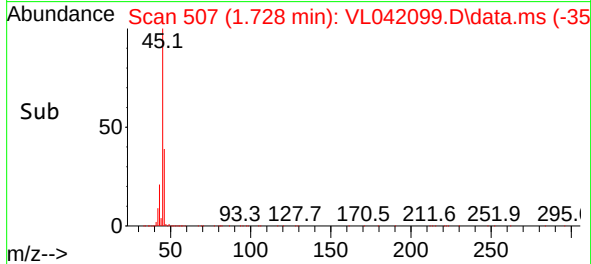
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



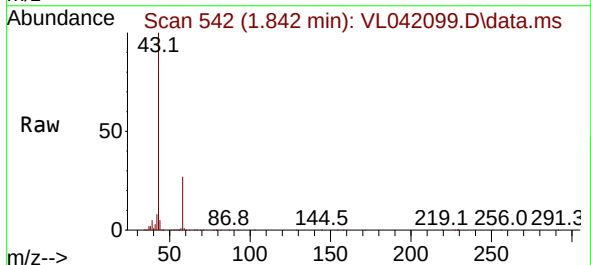
Tgt Ion: 45 Resp: 307620
Ion Ratio Lower Upper
45 100
46 38.1 17.1 68.3

Manual Integrations
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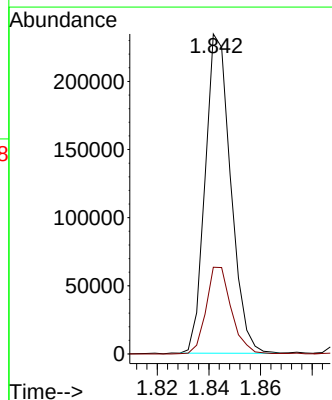
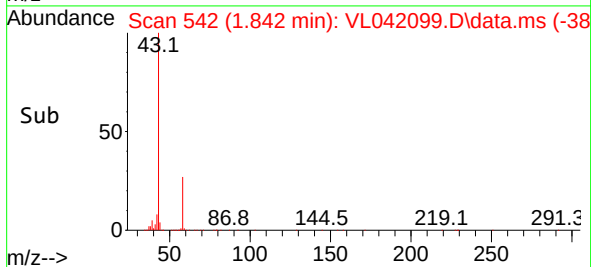
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

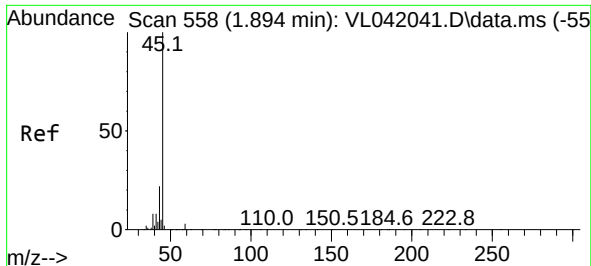


#15
Acetone
Concen: 11.046 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11



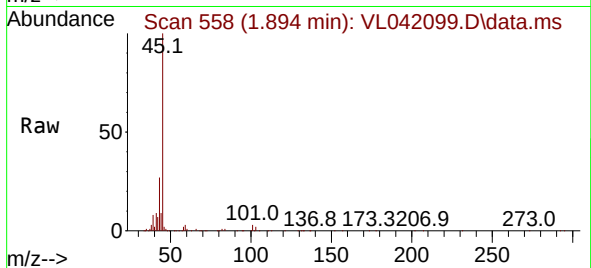
Tgt Ion: 43 Resp: 161003
Ion Ratio Lower Upper
43 100
58 27.0 20.7 31.1





#19
Isopropyl Alcohol
Concen: 8.565 ppbv
RT: 1.894 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

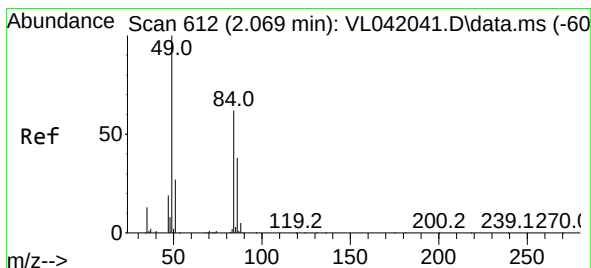
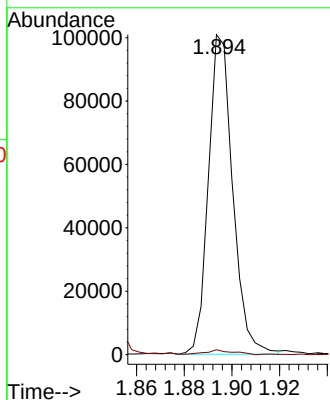
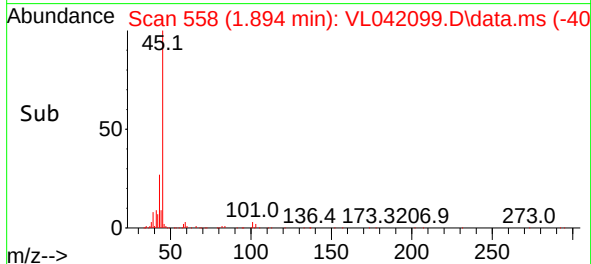
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



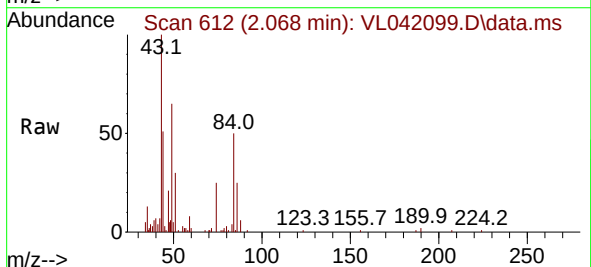
Tgt Ion: 45 Resp: 71712
Ion Ratio Lower Upper
45 100
58 60.8 35.3 52.9

Manual Integrations
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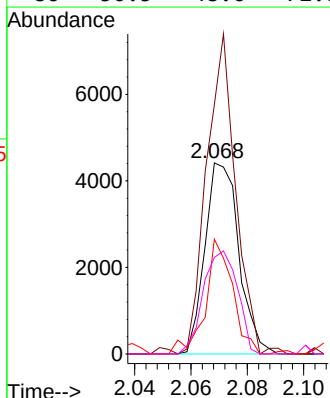
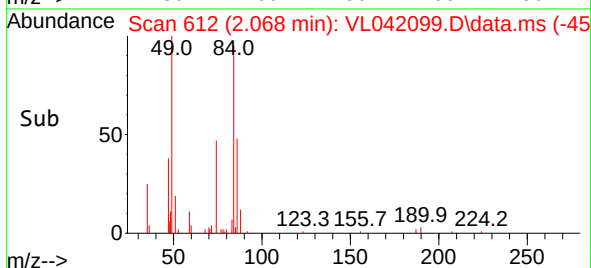
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

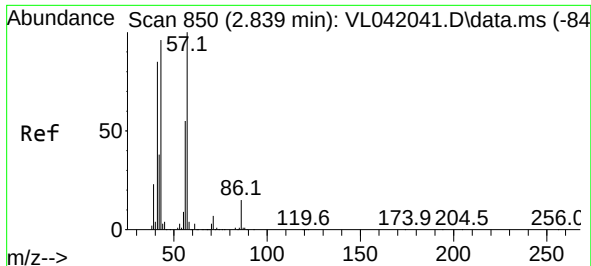


#20
Methylene Chloride
Concen: 0.669 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11



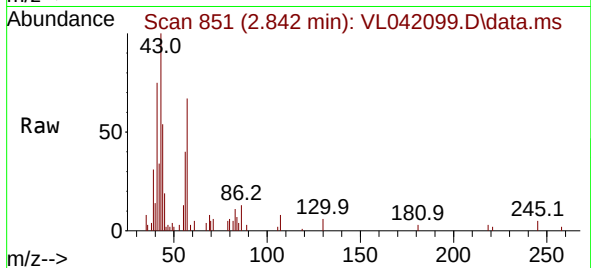
Tgt Ion: 84 Resp: 3691
Ion Ratio Lower Upper
84 100
49 137.9 130.0 195.0
51 58.8 37.4 56.0
86 50.5 48.6 72.8





#26
Hexane
Concen: 0.122 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

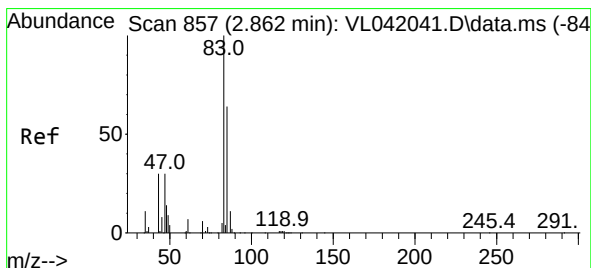
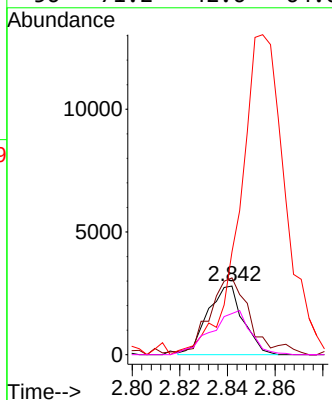
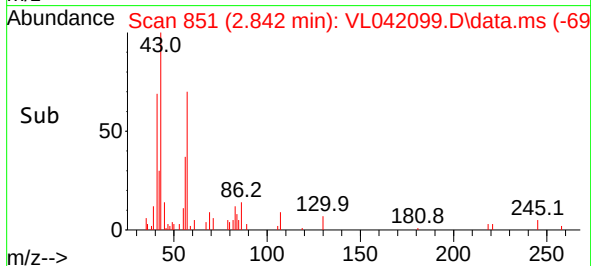
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 57 Resp: 2889
Ion Ratio Lower Upper
57 100
41 136.3 70.6 106.0
43 627.5 199.4 299.0
56 71.2 42.6 64.0

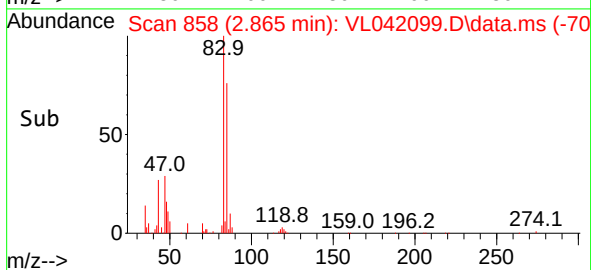
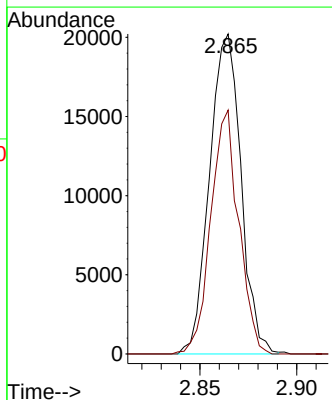
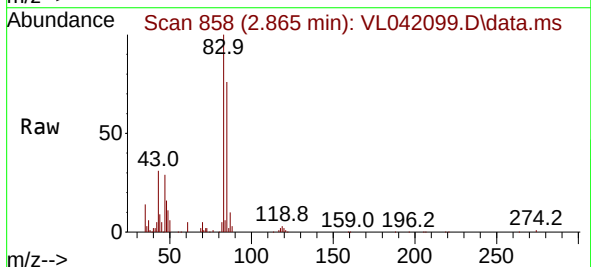
Manual Integrations
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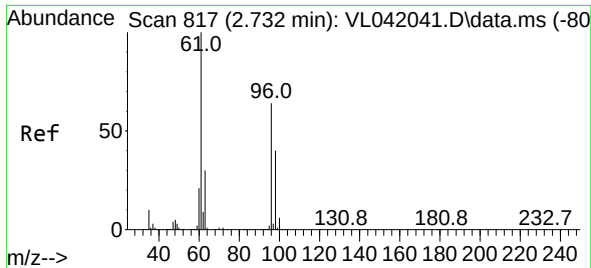
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#29
Chloroform
Concen: 0.719 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

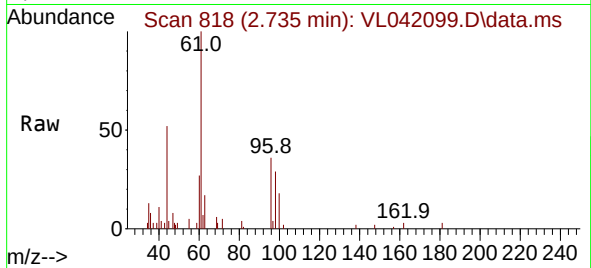
Tgt Ion: 83 Resp: 22818
Ion Ratio Lower Upper
83 100
85 76.2 51.2 76.8





#31
 cis-1,2-Dichloroethene
 Concen: 0.172 ppbv m
 RT: 2.735 min Scan# 817
 Delta R.T. 0.003 min
 Lab File: VL042099.D
 Acq: 05 Mar 2025 12:11

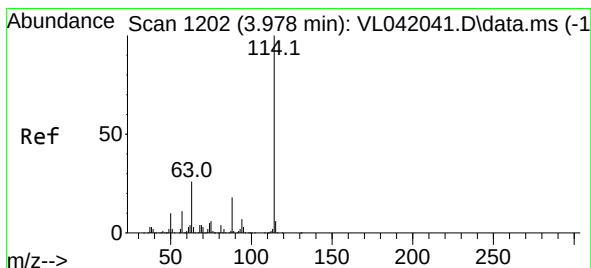
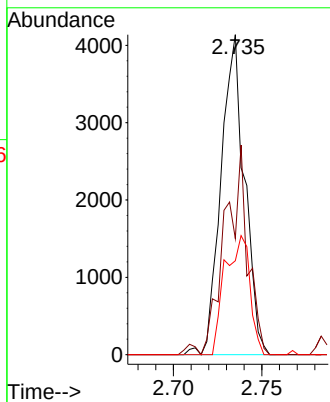
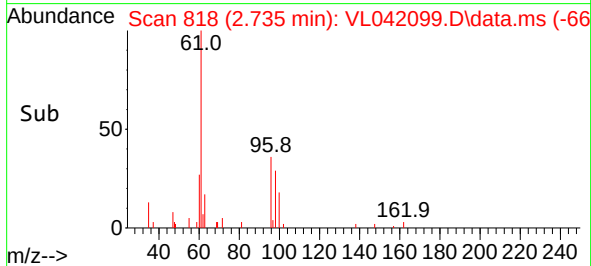
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 61 Resp: 384
 Ion Ratio Lower Upper
 61 100
 96 36.3 51.5 77.3
 98 29.4 32.0 48.0

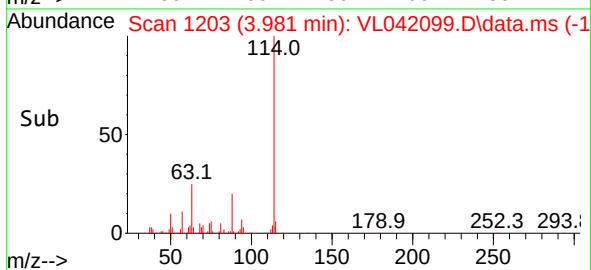
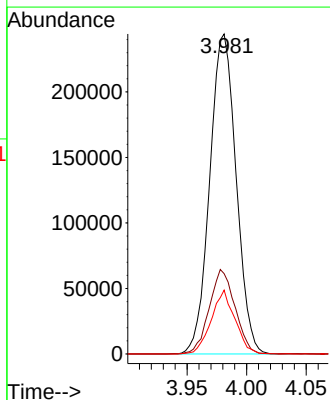
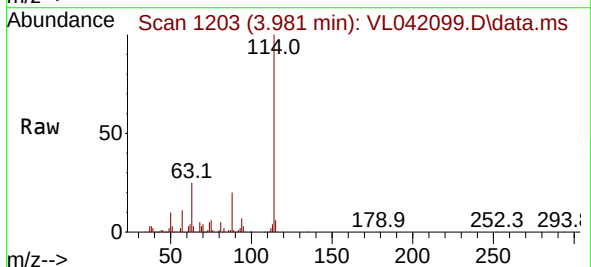
Manual Integrations
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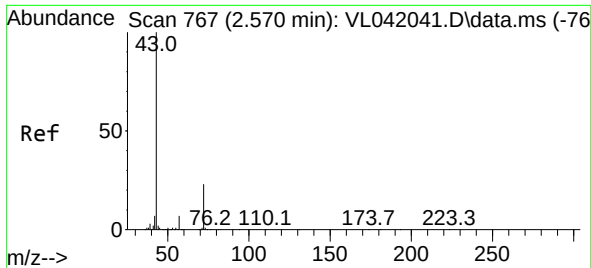
Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.981 min Scan# 1203
 Delta R.T. 0.003 min
 Lab File: VL042099.D
 Acq: 05 Mar 2025 12:11

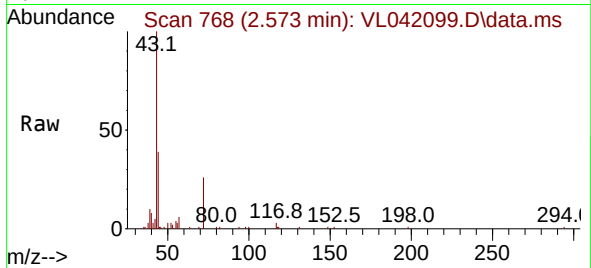
Tgt Ion:114 Resp: 375944
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.1 30.1
 88 18.0 14.3 21.5





#34
2-Butanone
Concen: 0.282 ppbv
RT: 2.573 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

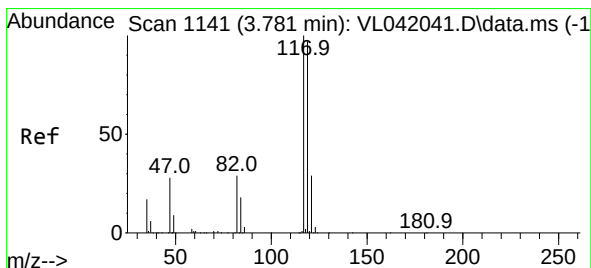
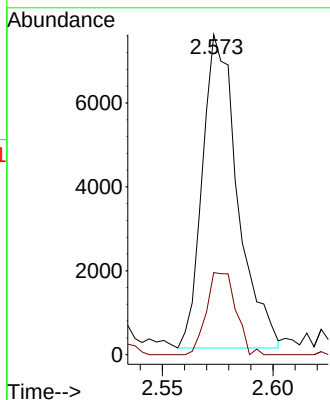
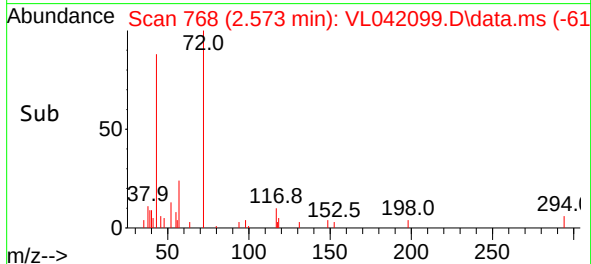
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
72 21.9 18.5 27.7

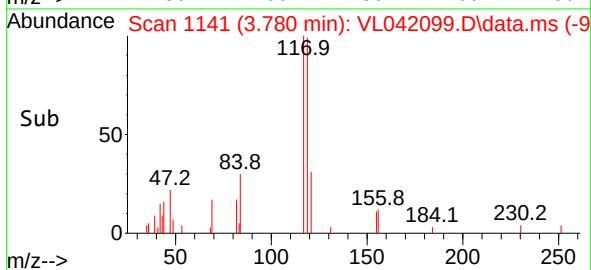
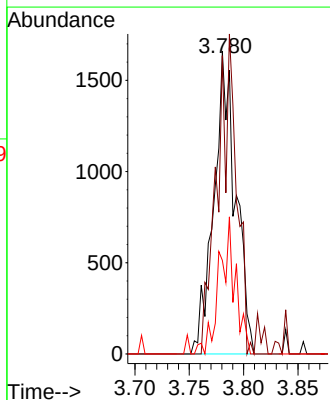
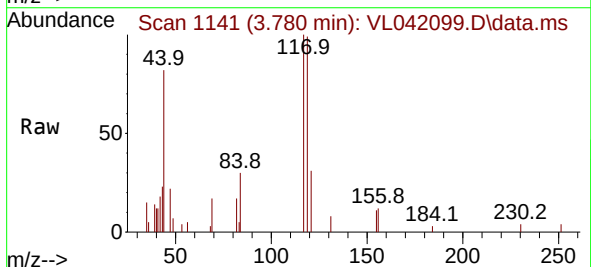
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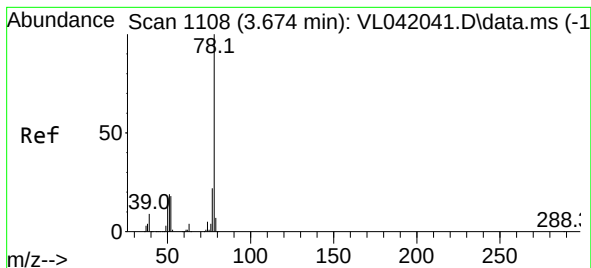
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#35
Carbon Tetrachloride
Concen: 0.089 ppbv m
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

Tgt Ion:117 Resp: 2317
Ion Ratio Lower Upper
117 100
119 98.6 77.8 116.8
121 30.9 23.4 35.0





#36

Benzene

Concen: 0.219 ppbv m

RT: 3.680 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VL042099.D

Acq: 05 Mar 2025 12:11

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

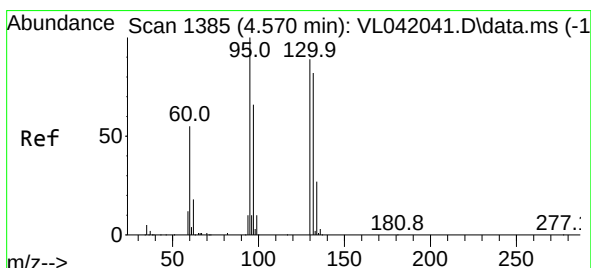
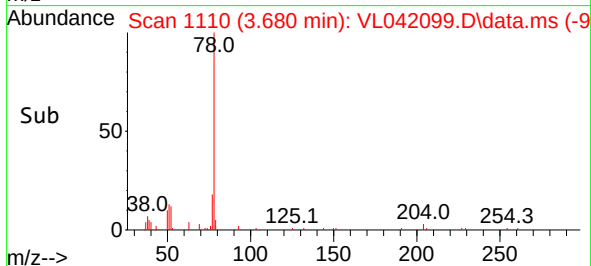
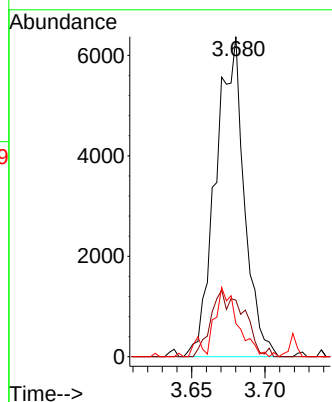
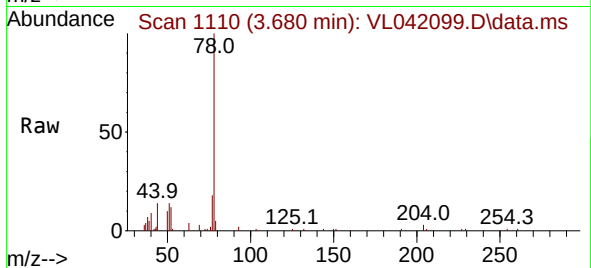
Tgt Ion: 78 Resp: 860

Ion	Ratio	Lower	Upper
78	100		
77	17.6	17.7	26.5
50	10.4	13.9	20.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#38

Trichloroethene

Concen: 0.212 ppbv m

RT: 4.570 min Scan# 1385

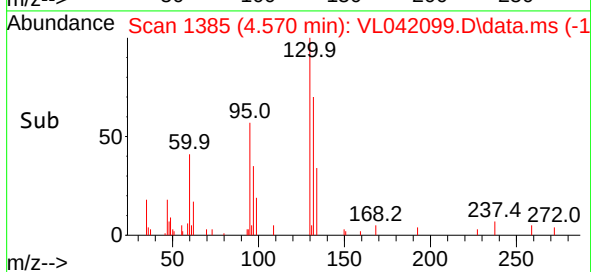
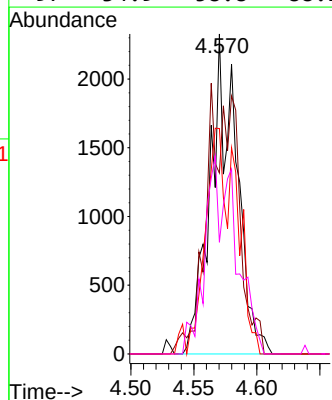
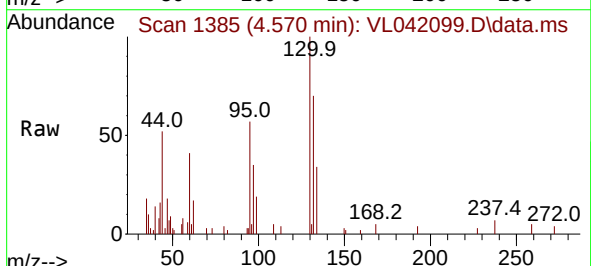
Delta R.T. -0.000 min

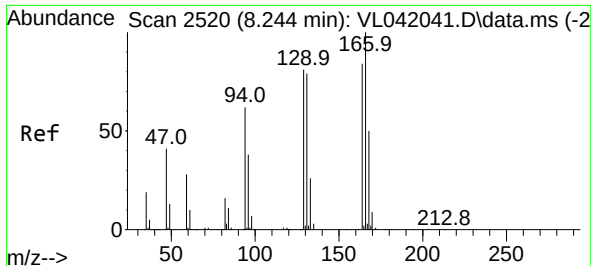
Lab File: VL042099.D

Acq: 05 Mar 2025 12:11

Tgt Ion:130 Resp: 3407

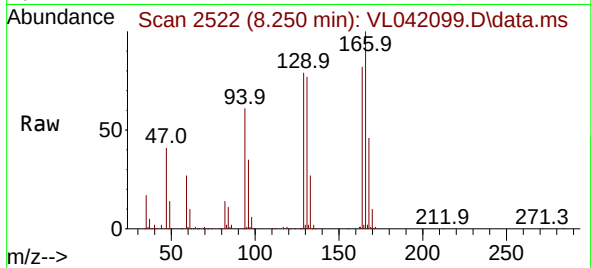
Ion	Ratio	Lower	Upper
130	100		
95	56.5	89.5	134.3#
132	70.4	73.8	110.6#
97	34.9	58.8	88.2#





#52
Tetrachloroethene
Concen: 7.847 ppbv
RT: 8.250 min Scan# 2124
Delta R.T. 0.006 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

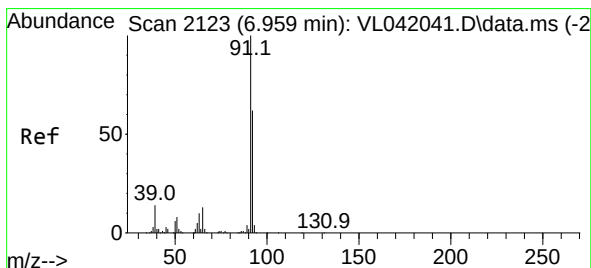
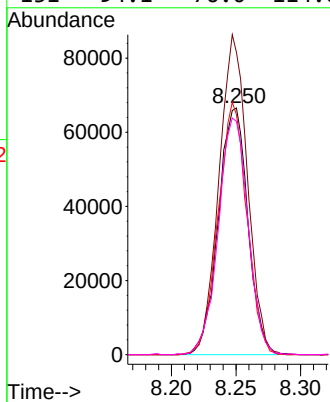
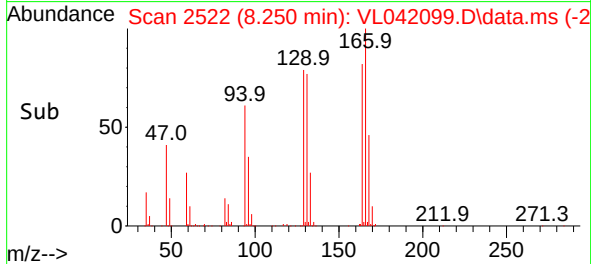
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:164 Resp: 105718
Ion Ratio Lower Upper
164 100
166 122.6 95.7 143.5
129 97.3 77.1 115.7
131 94.1 76.0 114.0

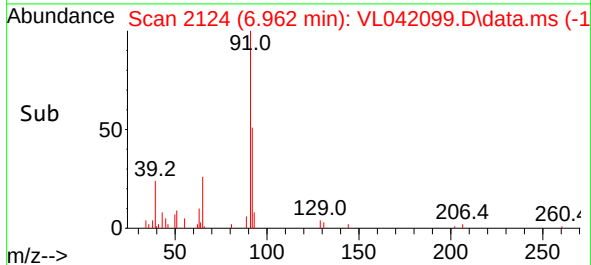
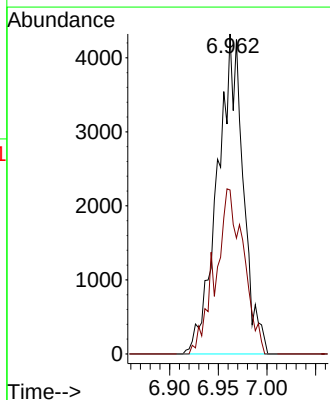
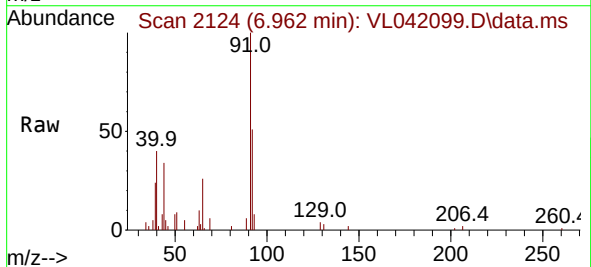
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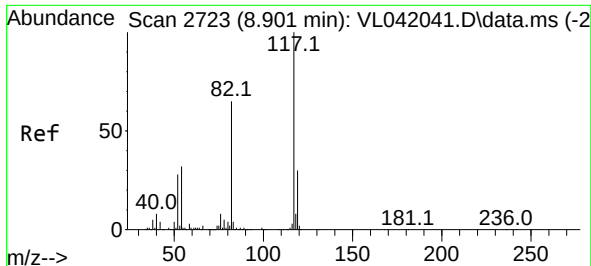
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#53
Toluene
Concen: 0.182 ppbv m
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

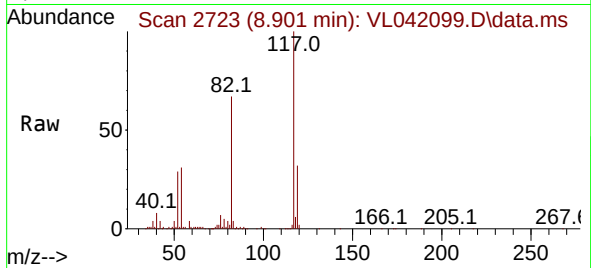
Tgt Ion: 91 Resp: 8000
Ion Ratio Lower Upper
91 100
92 55.9 49.0 73.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

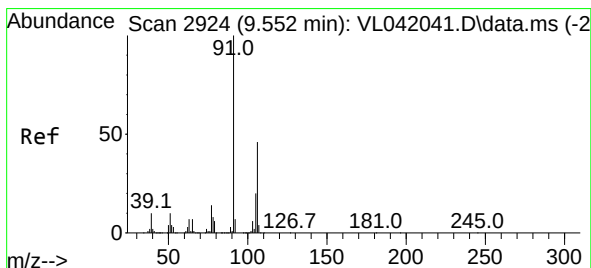
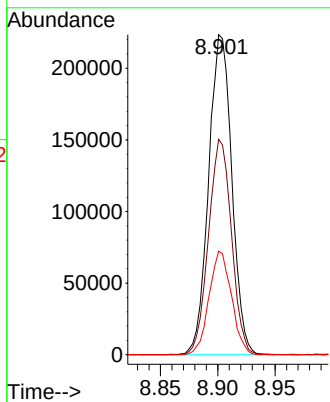
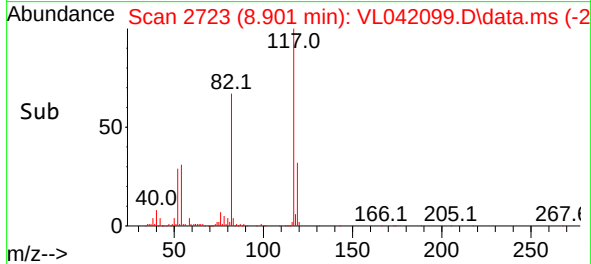
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 314364
Ion Ratio Lower Upper
117 100
82 66.8 55.0 82.6
119 31.3 25.9 38.9

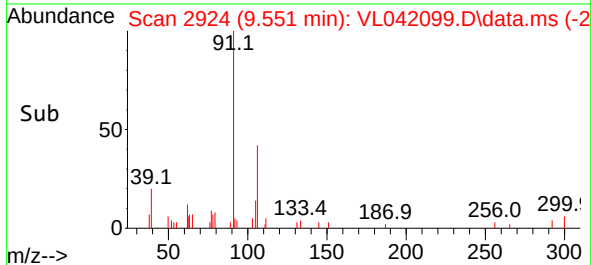
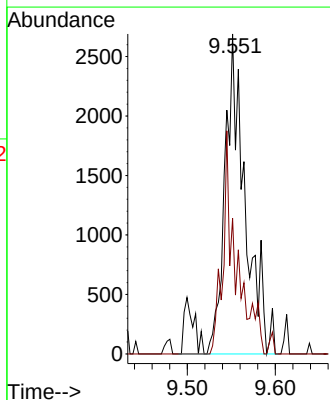
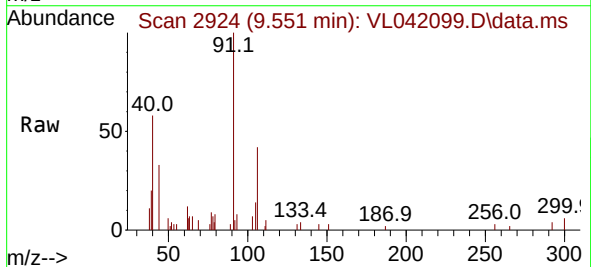
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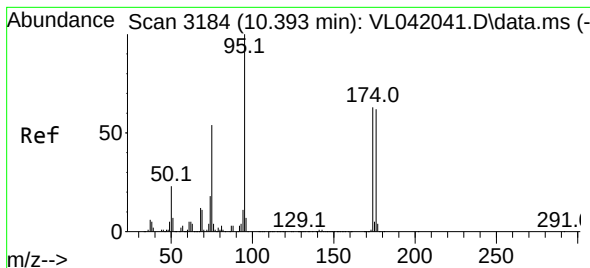
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#59
m/p-Xylene
Concen: 0.101 ppbv m
RT: 9.551 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

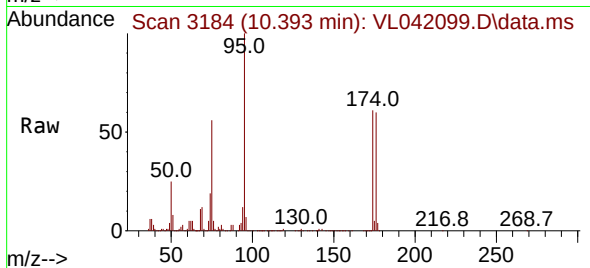
Tgt Ion: 91 Resp: 4642
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.698 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

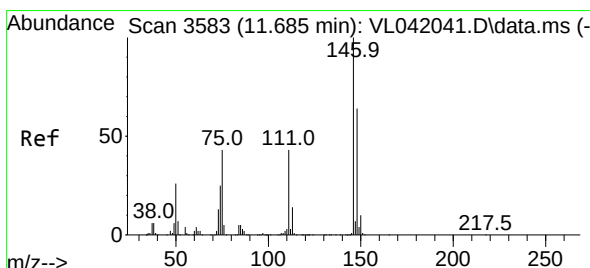
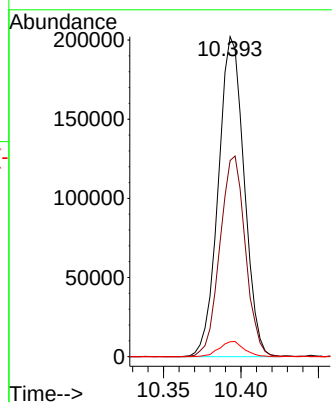
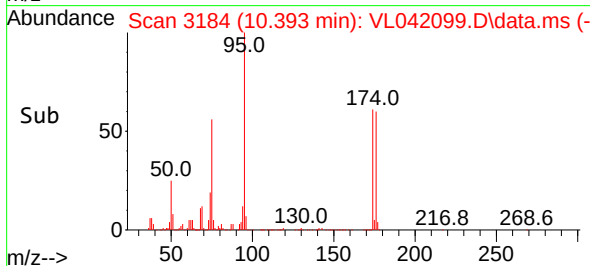
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 95 Resp: 234544
Ion Ratio Lower Upper
95 100
174 61.9 51.8 77.6
175 4.6 3.9 5.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#76
1,4-Dichlorobenzene
Concen: 0.297 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.006 min
Lab File: VL042099.D
Acq: 05 Mar 2025 12:11

Tgt Ion:146 Resp: 9365
Ion Ratio Lower Upper
146 100
111 53.9 21.5 64.5
148 60.2 31.6 95.0

