

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042081.D
 Acq On : 03 Mar 2025 17:24
 Operator : SY/MD
 Sample : Q1430-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:20:05 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.787	49	163018	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	364560	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	307983	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	232727	9.822	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	2256	0.133	ppbv #	86
9) Propene	1.483	41	4140	0.429	ppbv	99
13) Ethanol	1.722	45	40109	65.460	ppbv	90
15) Acetone	1.835	43	43625	3.030	ppbv #	78
17) tert-Butyl alcohol	2.046	59	4938	0.274	ppbv #	87
19) Isopropyl Alcohol	1.890	45	7366	0.891	ppbv #	1
20) Methylene Chloride	2.062	84	2944	0.541	ppbv #	88
26) Hexane	2.826	57	2777	0.119	ppbv #	46
34) 2-Butanone	2.560	43	112646	3.966	ppbv	93
36) Benzene	3.654	78	5456	0.143	ppbv #	84
50) 4-Methyl-2-Pentanone	5.768	43	10028m	0.273	ppbv	
51) 2-Hexanone	7.445	43	8237m	0.326	ppbv	
52) Tetrachloroethene	8.221	164	5658m	0.433	ppbv	
53) Toluene	6.936	91	21962m	0.515	ppbv	
59) m/p-Xylene	9.526	91	7868m	0.174	ppbv	

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

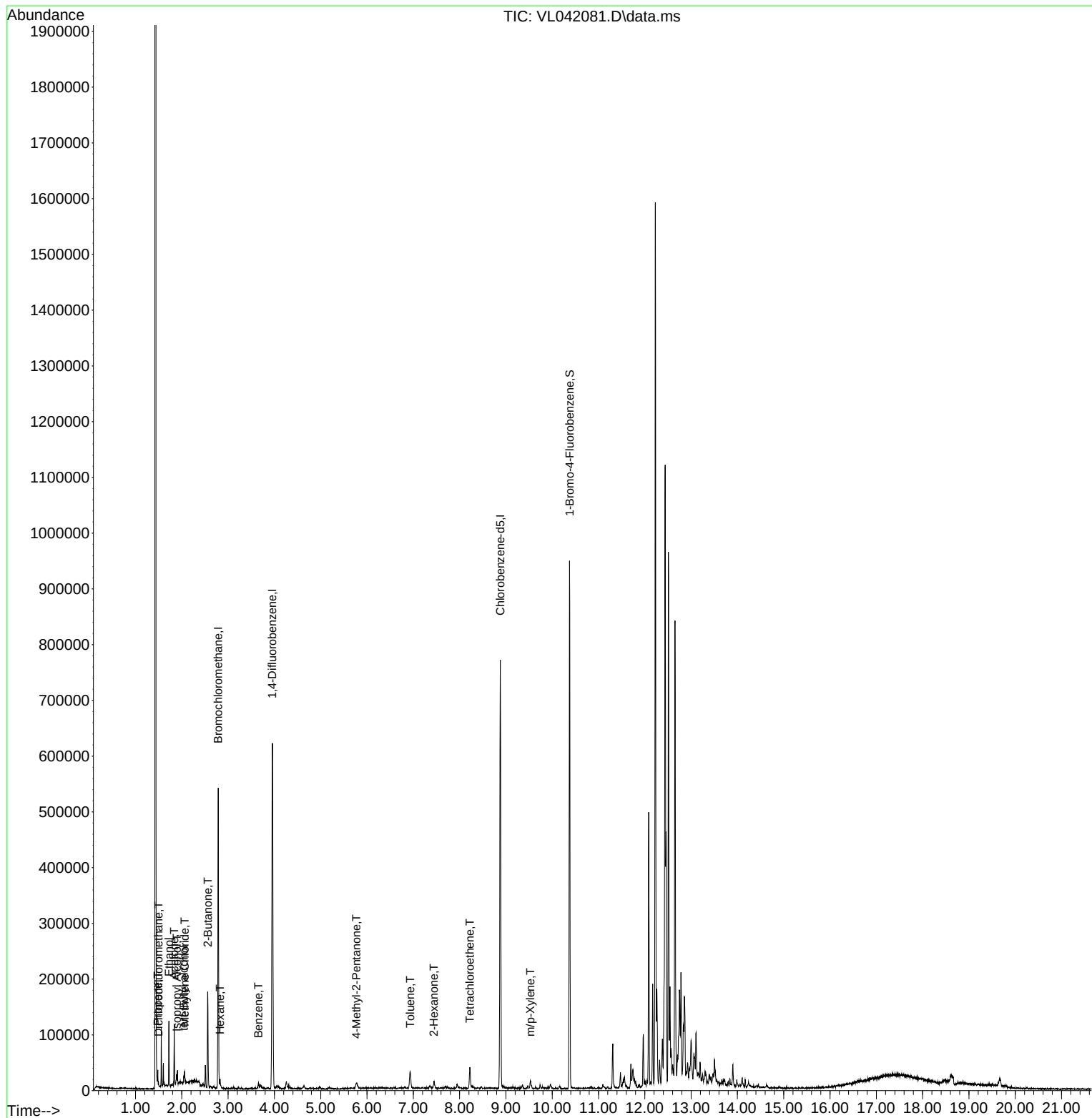
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042081.D
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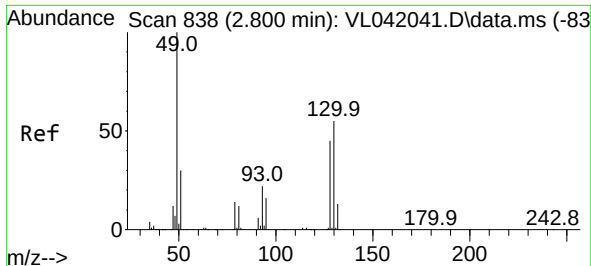
Instrument :
MSVOA_L
ClientSampleId :
SV2

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Quant Time: Mar 04 00:20:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





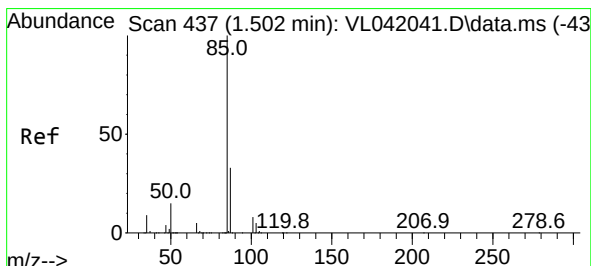
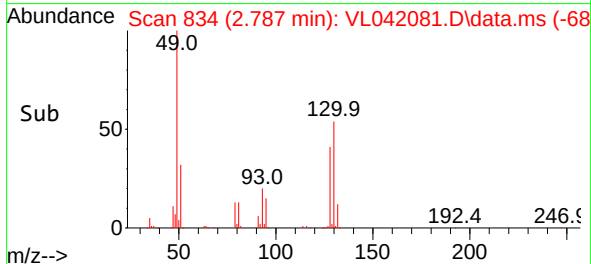
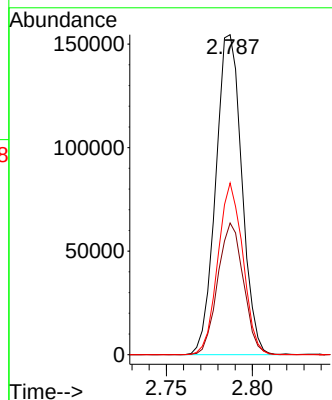
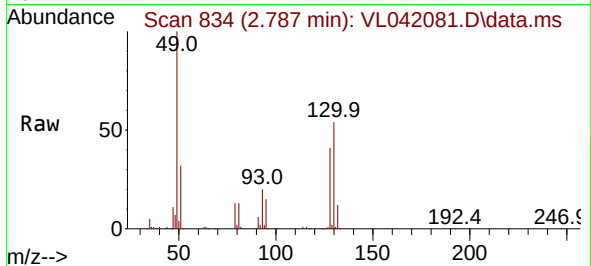
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 163018
Ion Ratio Lower Upper
49 100
128 40.5 21.6 64.8
130 51.3 27.8 83.4

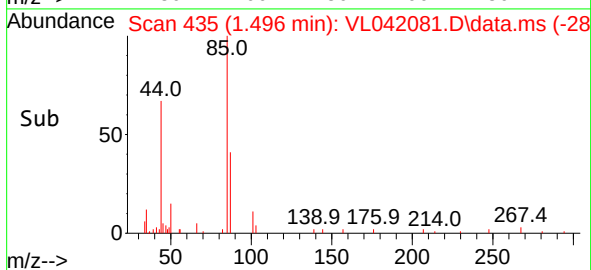
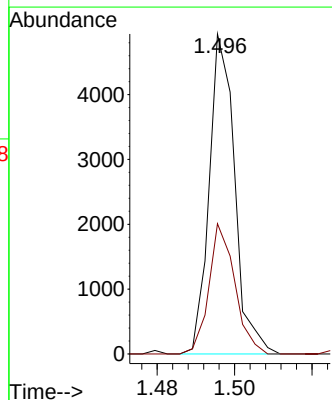
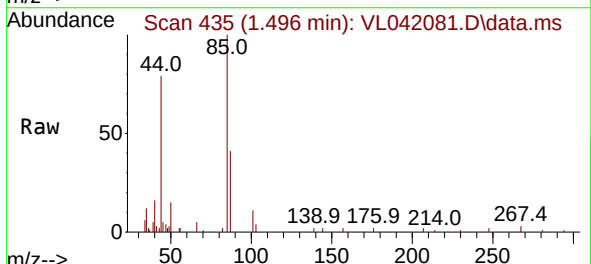
Manual Integrations
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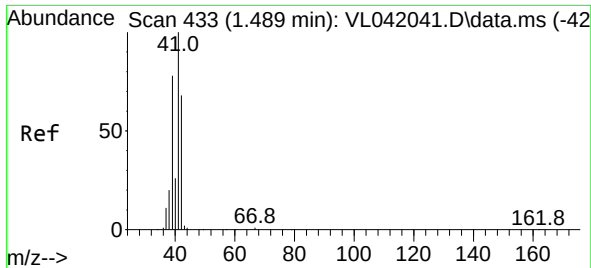
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.007 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

Tgt Ion: 85 Resp: 2256
Ion Ratio Lower Upper
85 100
87 40.7 26.4 39.6#





#9

Propene

Concen: 0.429 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042081.D

Acq: 03 Mar 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

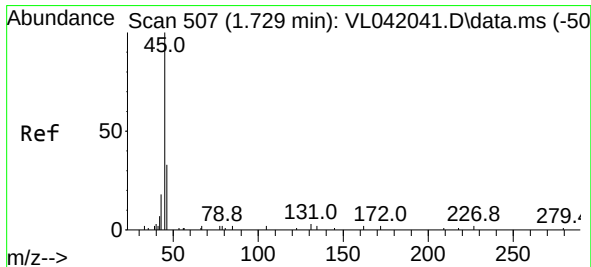
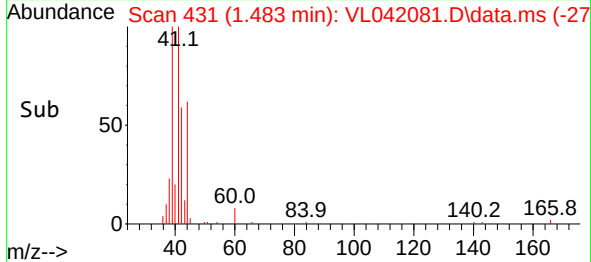
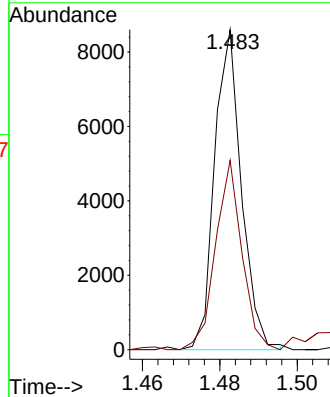
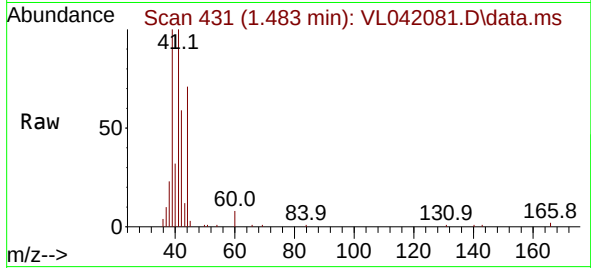
SV2

Tgt Ion: 41 Resp: 4140
 Ion Ratio Lower Upper
 41 100
 42 70.4 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025
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#13

Ethanol

Concen: 65.460 ppbv

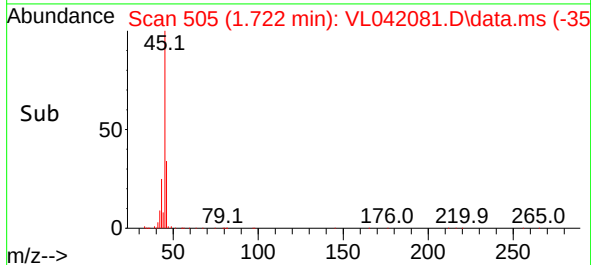
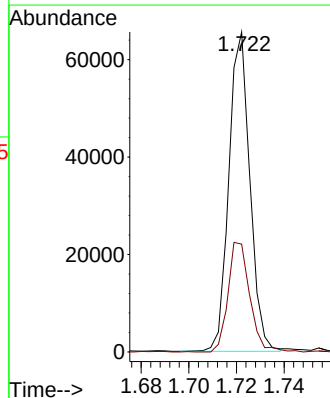
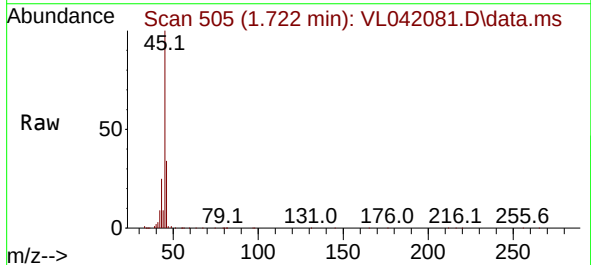
RT: 1.722 min Scan# 505

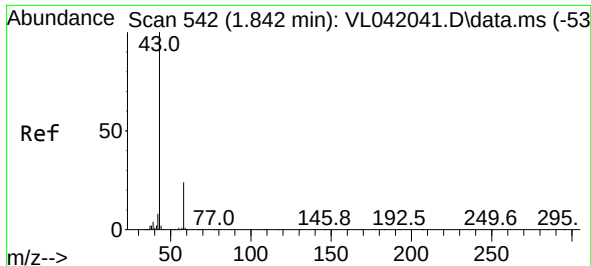
Delta R.T. -0.007 min

Lab File: VL042081.D

Acq: 03 Mar 2025 17:24

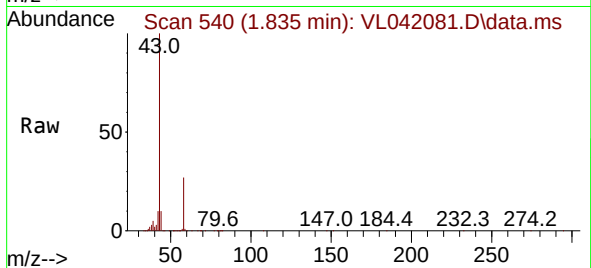
Tgt Ion: 45 Resp: 40109
 Ion Ratio Lower Upper
 45 100
 46 36.2 17.1 68.3





#15
Acetone
Concen: 3.030 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.007 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

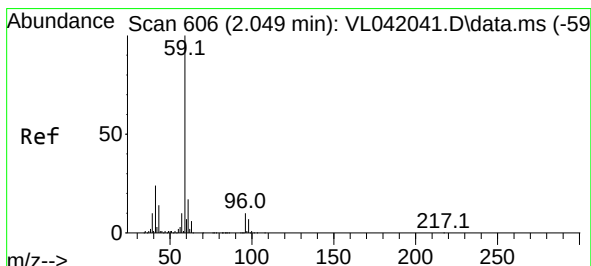
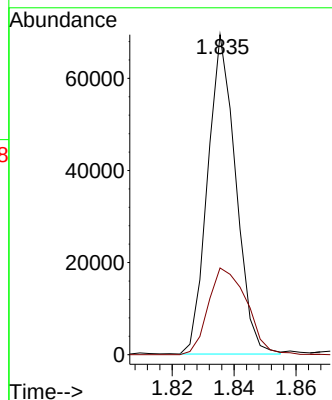
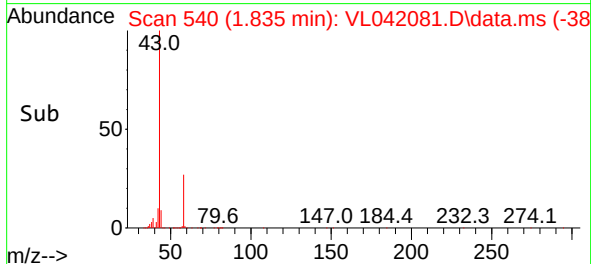
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
58 37.2 20.7 31.1

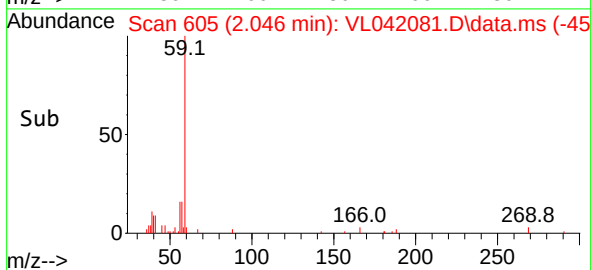
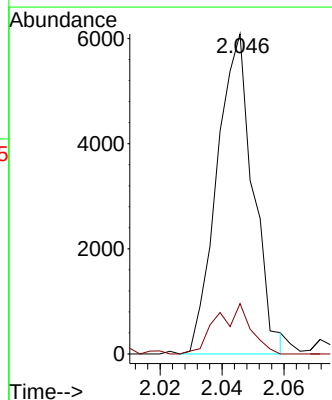
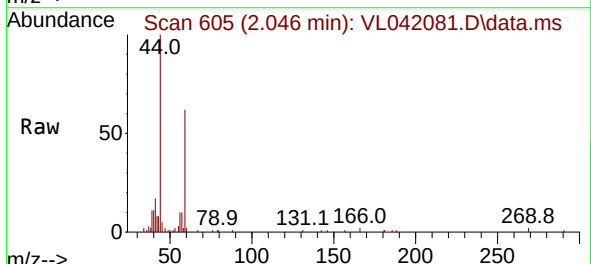
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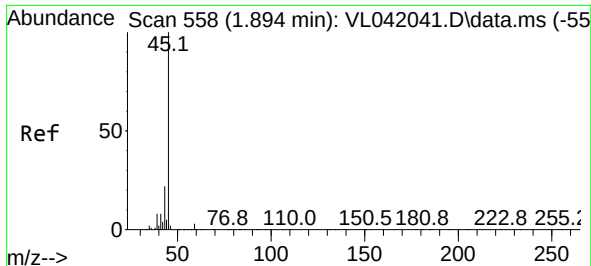
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#17
tert-Butyl alcohol
Concen: 0.274 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.003 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

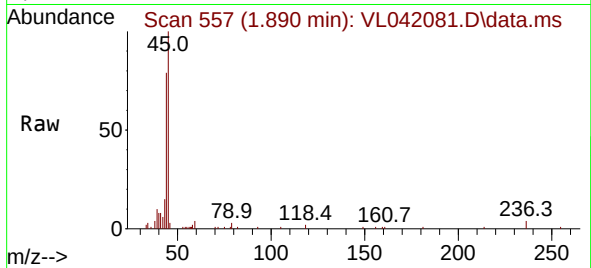
Tgt Ion: 59 Resp: 4938
Ion Ratio Lower Upper
59 100
57 16.7 9.3 13.9





#19
Isopropyl Alcohol
Concen: 0.891 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

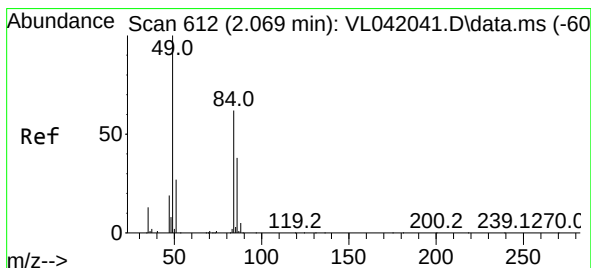
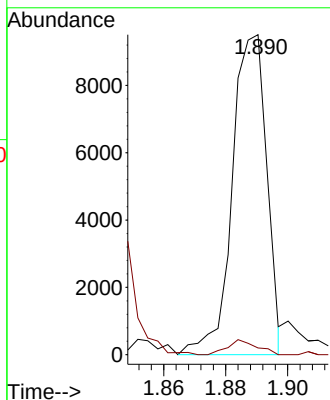
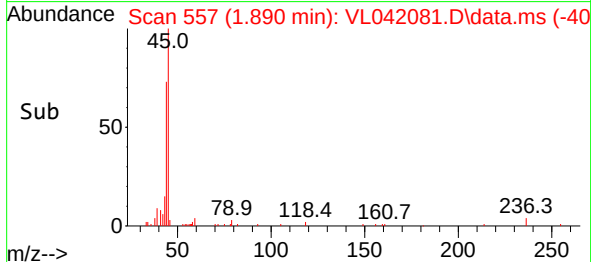
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 7360
Ion Ratio Lower Upper
45 100
58 220.4 35.3 52.9

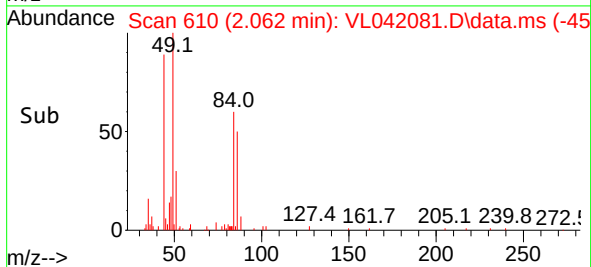
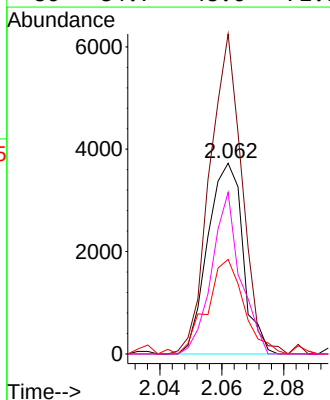
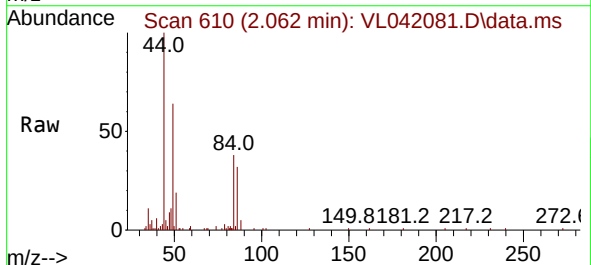
Manual Integrations
APPROVED

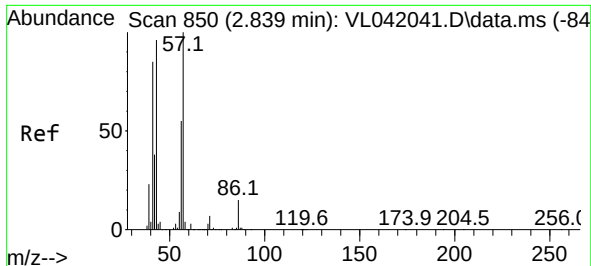
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#20
Methylene Chloride
Concen: 0.541 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.007 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

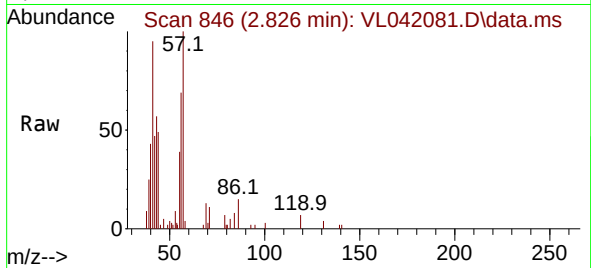
Tgt Ion: 84 Resp: 2944
Ion Ratio Lower Upper
84 100
49 171.1 130.0 195.0
51 49.6 37.4 56.0
86 84.7 48.6 72.8





#26
Hexane
Concen: 0.119 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.013 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

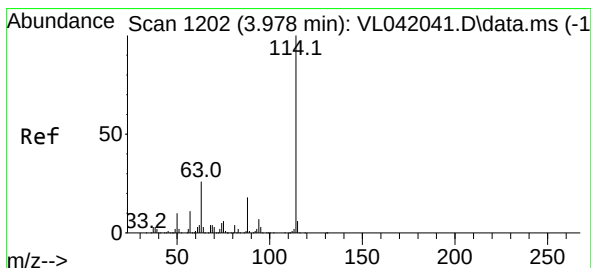
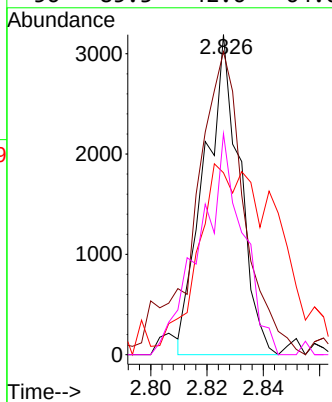
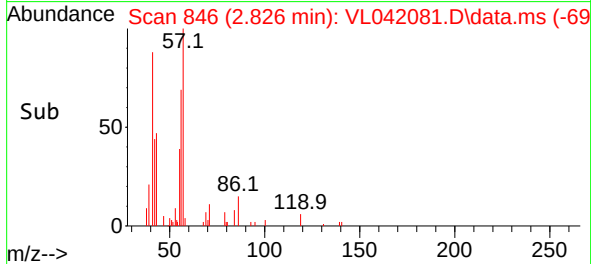
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 277
Ion Ratio Lower Upper
57 100
41 141.8 70.6 106.0
43 153.0 199.4 299.0
56 85.3 42.6 64.0

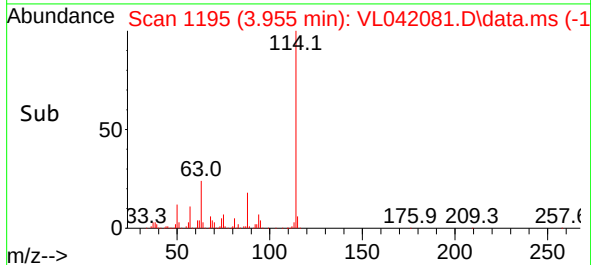
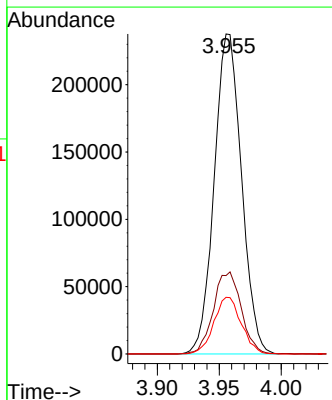
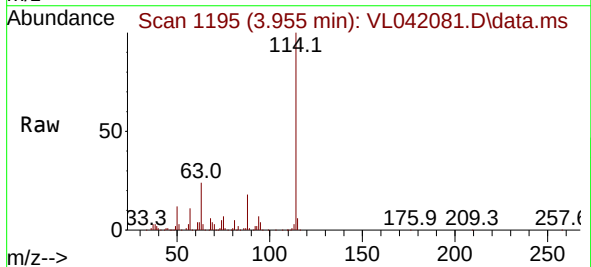
Manual Integrations
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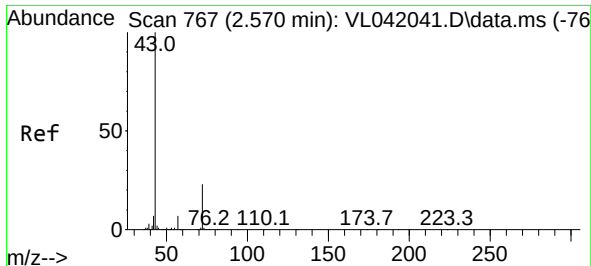
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.023 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

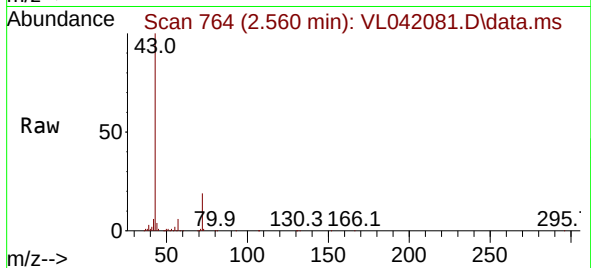
Tgt Ion:114 Resp: 364560
Ion Ratio Lower Upper
114 100
63 26.3 20.1 30.1
88 17.8 14.3 21.5





#34
2-Butanone
Concen: 3.966 ppbv
RT: 2.560 min Scan# 71
Delta R.T. -0.010 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

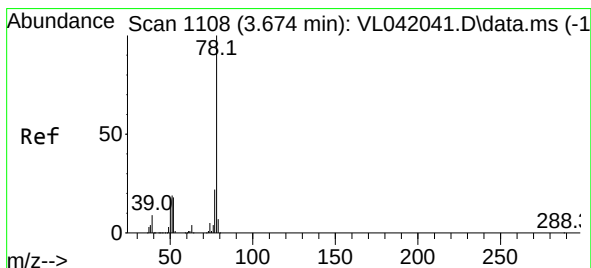
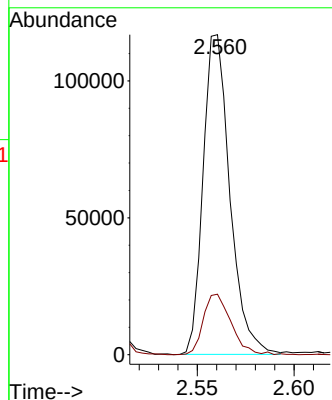
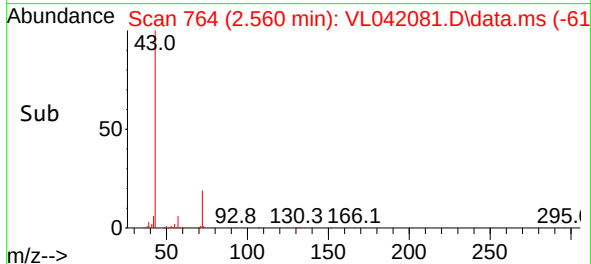
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 112640
Ion Ratio Lower Upper
43 100
72 19.6 18.5 27.7

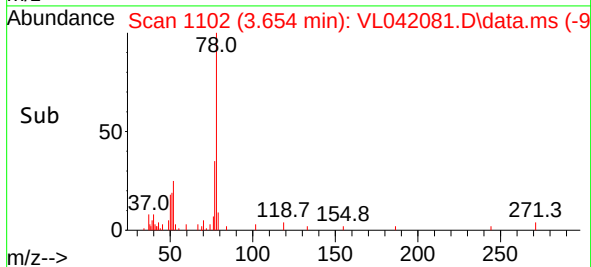
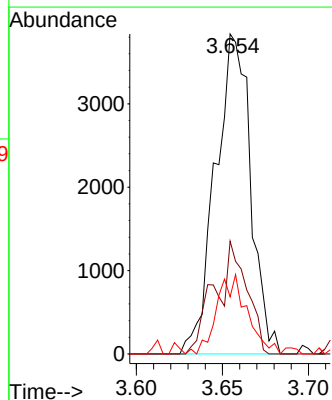
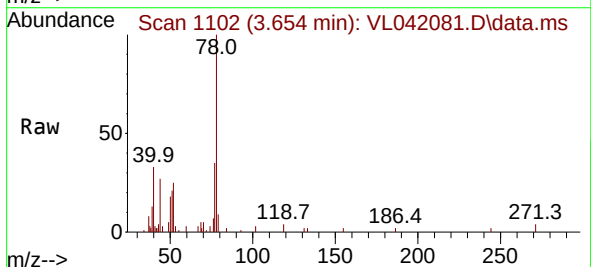
Manual Integrations
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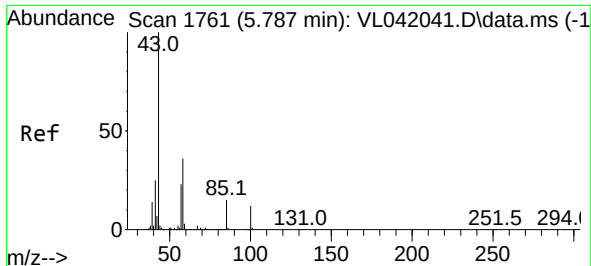
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#36
Benzene
Concen: 0.143 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.020 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

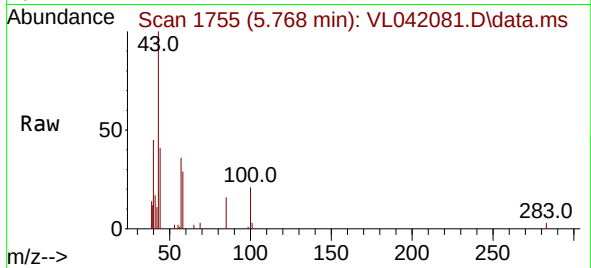
Tgt Ion: 78 Resp: 5456
Ion Ratio Lower Upper
78 100
77 35.3 17.7 26.5#
50 17.8 13.9 20.9





#50
 4-Methyl-2-Pentanone
 Concen: 0.273 ppbv m
 RT: 5.768 min Scan# 1755
 Delta R.T. -0.019 min
 Lab File: VL042081.D
 Acq: 03 Mar 2025 17:24

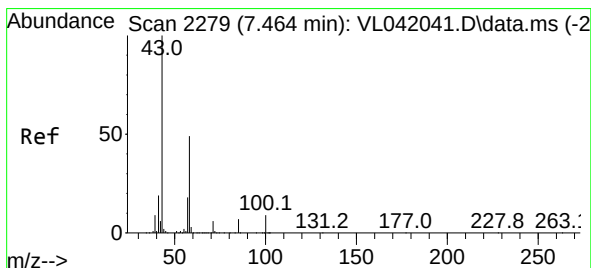
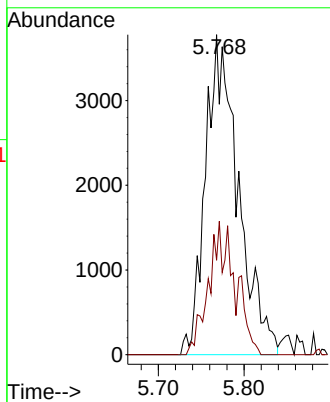
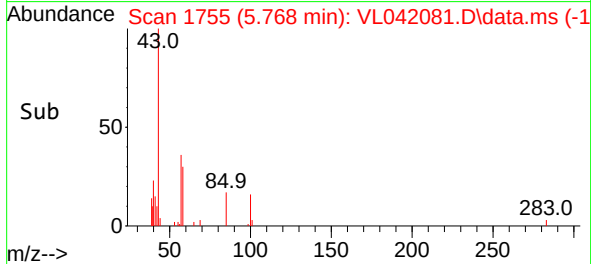
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



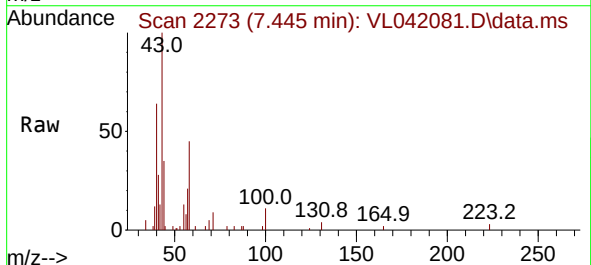
Tgt Ion: 43 Resp: 10028
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.3 43.9

Manual Integrations
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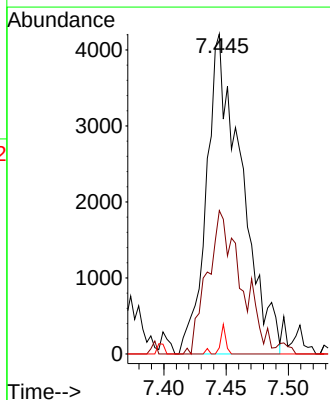
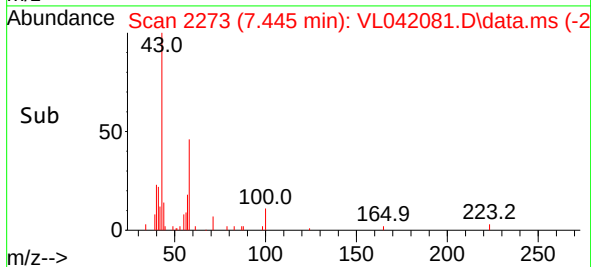
Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

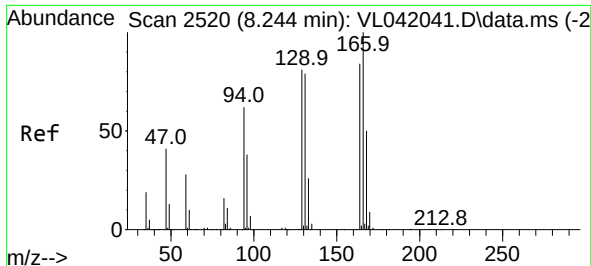


#51
 2-Hexanone
 Concen: 0.326 ppbv m
 RT: 7.445 min Scan# 2273
 Delta R.T. -0.020 min
 Lab File: VL042081.D
 Acq: 03 Mar 2025 17:24



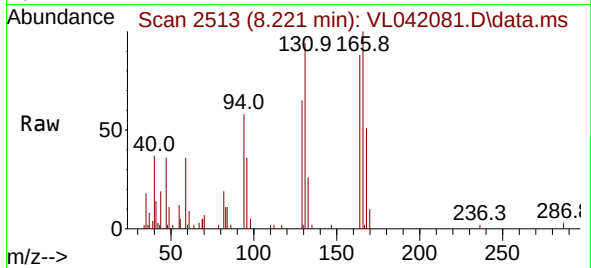
Tgt Ion: 43 Resp: 8237
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.0 58.6#
 98 0.6 0.1 0.1#





#52
Tetrachloroethene
Concen: 0.433 ppbv m
RT: 8.221 min Scan# 2116
Delta R.T. -0.023 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

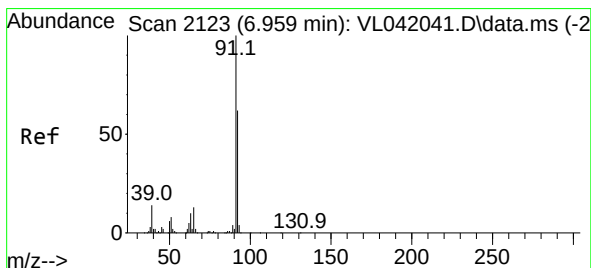
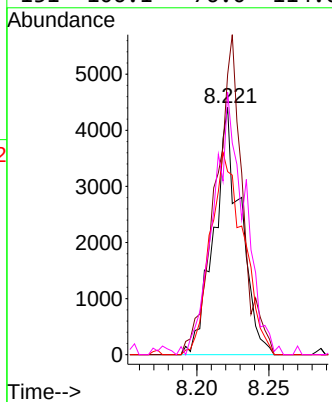
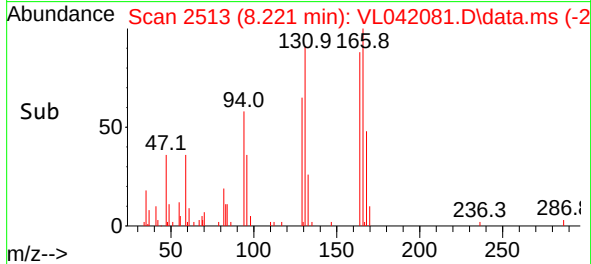
Instrument : MSVOA_L
ClientSampleId : SV2



Tgt Ion:164 Resp: 565
Ion Ratio Lower Upper
164 100
166 113.3 95.7 143.5
129 74.0 77.1 115.7
131 106.1 76.0 114.0

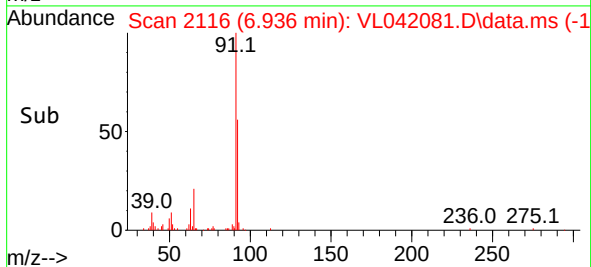
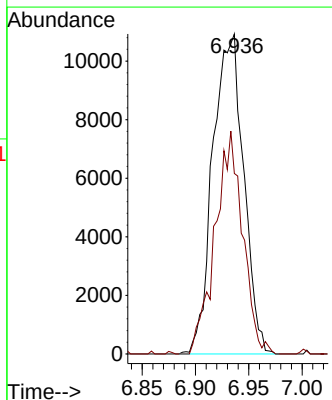
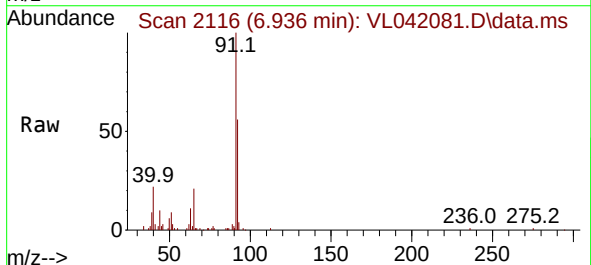
Manual Integrations
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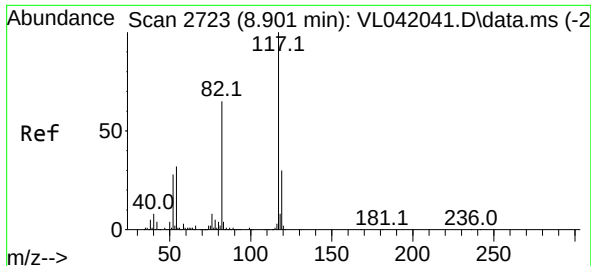
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#53
Toluene
Concen: 0.515 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. -0.023 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

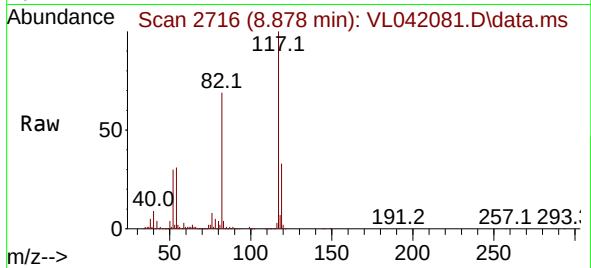
Tgt Ion: 91 Resp: 21962
Ion Ratio Lower Upper
91 100
92 62.2 49.0 73.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.023 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

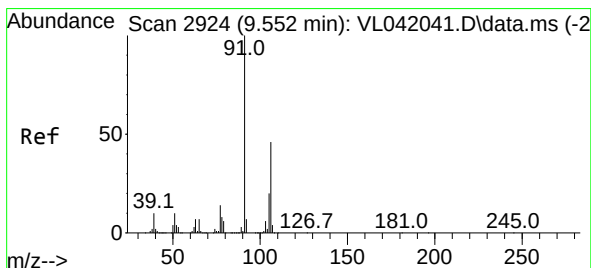
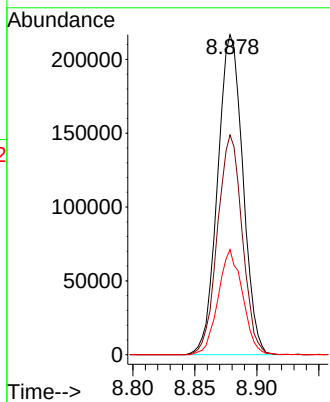
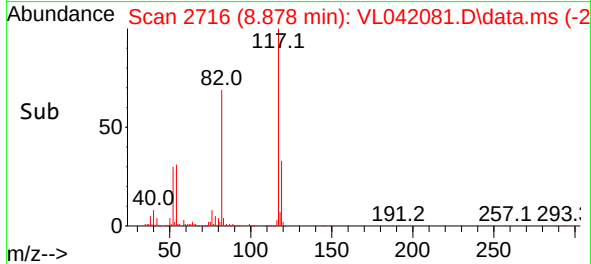
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 117 Resp: 30798
Ion Ratio Lower Upper
117 100
82 67.4 55.0 82.6
119 31.8 25.9 38.9

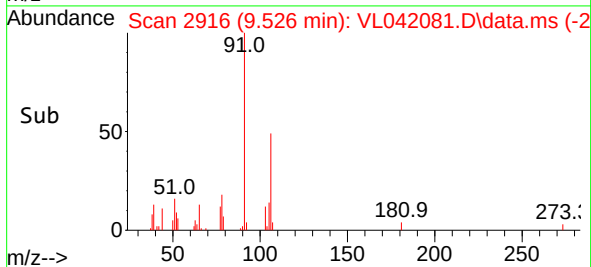
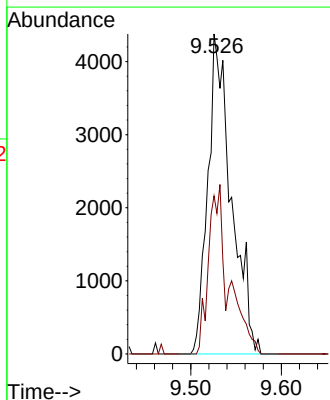
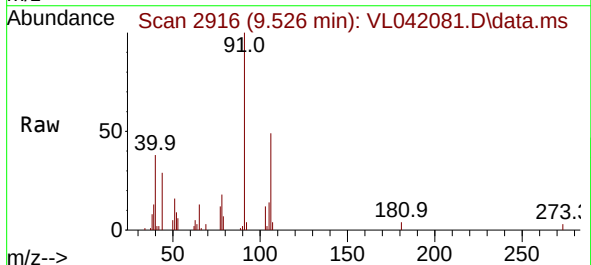
Manual Integrations
APPROVED

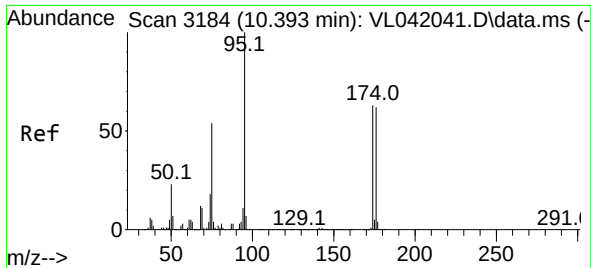
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#59
m/p-Xylene
Concen: 0.174 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042081.D
Acq: 03 Mar 2025 17:24

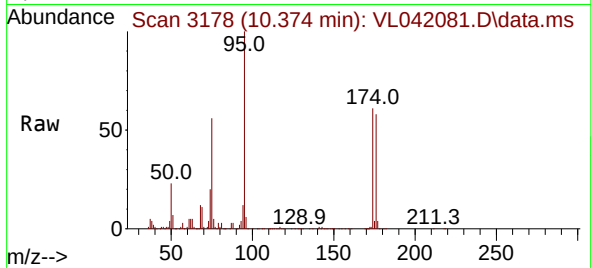
Tgt Ion: 91 Resp: 7868
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.822 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL042081.D
 Acq: 03 Mar 2025 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 23272
 Ion Ratio Lower Upper
 95 100
 174 62.2 51.8 77.6
 175 4.4 3.9 5.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

