

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042058.D
 Acq On : 26 Feb 2025 13:21
 Operator : SY/MD
 Sample : Q1430-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:29:18 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	2.797	49	158058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	369297	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	320901	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	250640	10.152	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	7122	0.433	ppbv	96
3) Chlorodifluoromethane	1.479	51	12853m	0.560	ppbv	
4) Chloromethane	1.538	50	8995	1.480	ppbv	92
9) Propene	1.489	41	12657	1.352	ppbv	87
10) Heptane	5.007	43	7010m	0.241	ppbv	
11) Trichlorofluoromethane	1.884	101	3953	0.240	ppbv	89
13) Ethanol	1.725	45	38875	65.437	ppbv	90
15) Acetone	1.842	43	132778	9.513	ppbv	99
17) tert-Butyl alcohol	2.052	59	4414	0.253	ppbv	95
19) Isopropyl Alcohol	1.894	45	42856	5.345	ppbv #	46
20) Methylene Chloride	2.068	84	10038	1.901	ppbv	94
26) Hexane	2.835	57	13945	0.617	ppbv #	59
29) Chloroform	2.855	83	3270	0.108	ppbv	100
34) 2-Butanone	2.570	43	21157	0.735	ppbv	95
35) Carbon Tetrachloride	3.768	117	2090m	0.082	ppbv	
36) Benzene	3.674	78	12783	0.331	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	10220m	0.150	ppbv	
52) Tetrachloroethene	8.244	164	1014m	0.077	ppbv	
53) Toluene	6.959	91	35528	0.822	ppbv	97
58) Ethyl Benzene	9.367	91	5977m	0.101	ppbv	
59) m/p-Xylene	9.548	91	15937m	0.339	ppbv	
60) o-Xylene	9.975	91	5607	0.119	ppbv	99

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

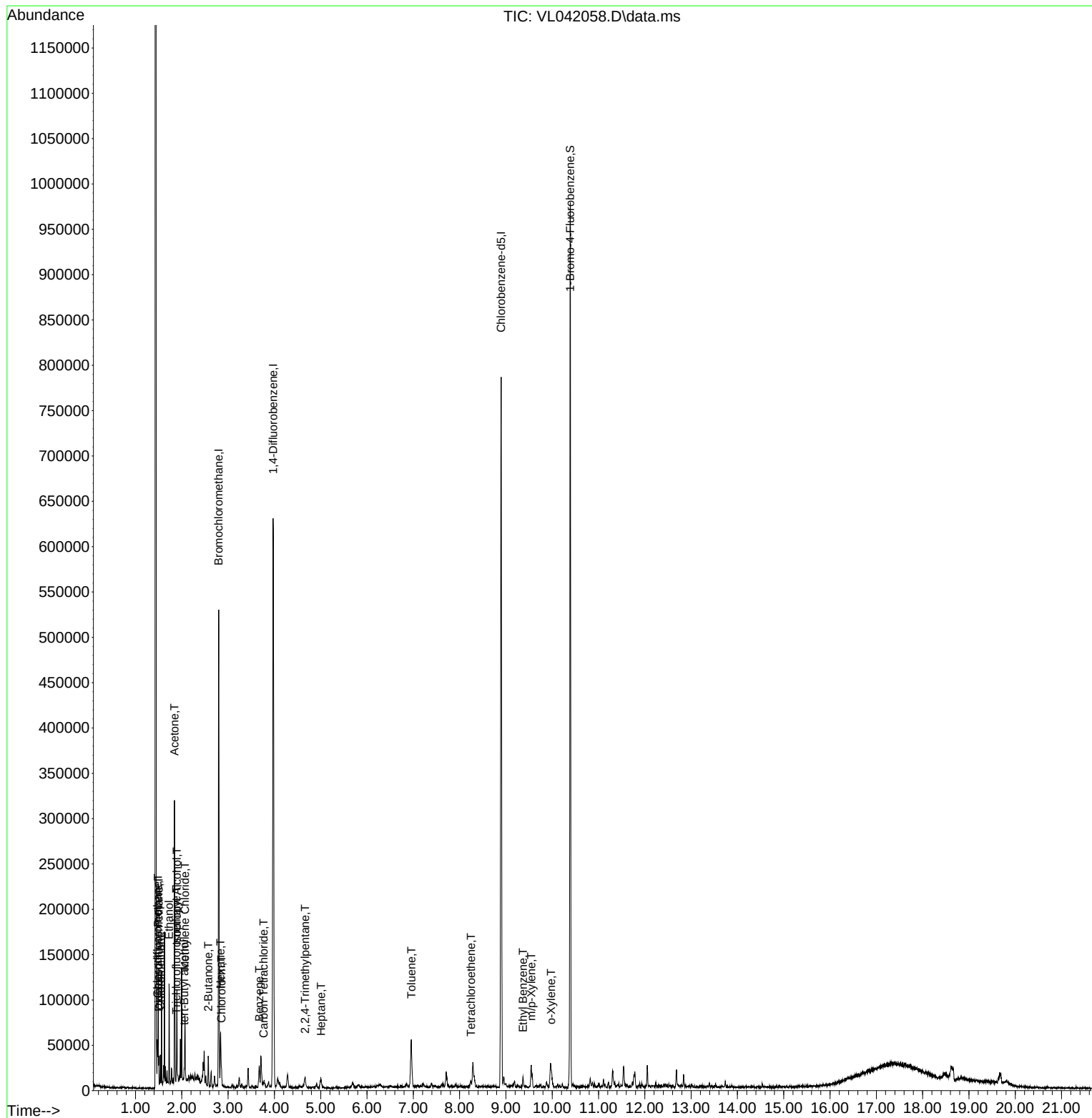
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042058.D
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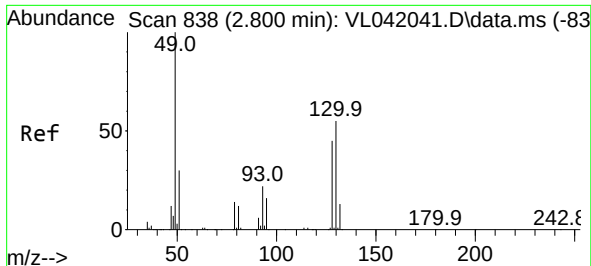
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 27 00:29:18 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

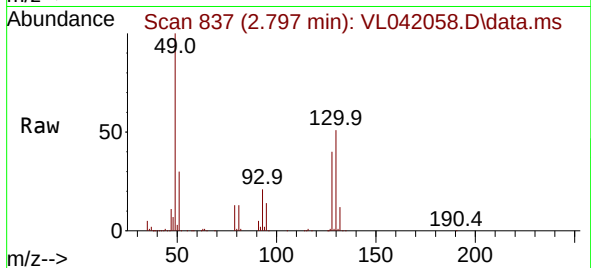
Reviewed By : Semsettin Yesilyurt 02/27/2025
Supervised By : Mahesh Dadoda 02/27/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

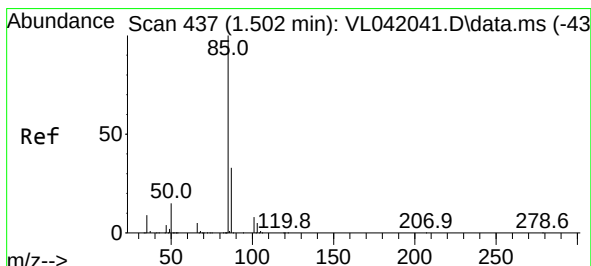
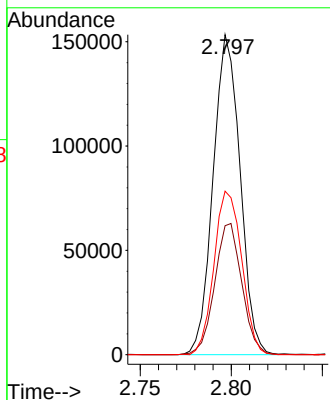
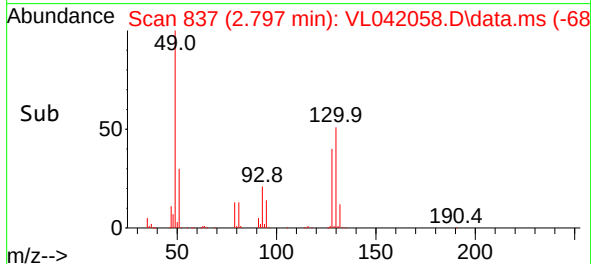
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 158058
Ion Ratio Lower Upper
49 100
128 41.2 21.6 64.8
130 52.5 27.8 83.4

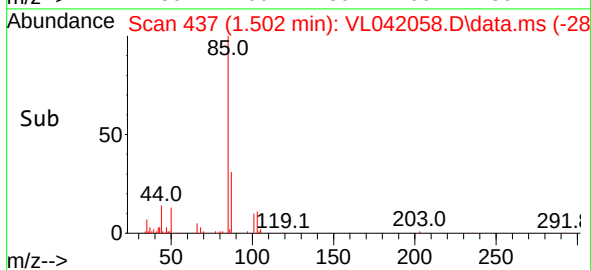
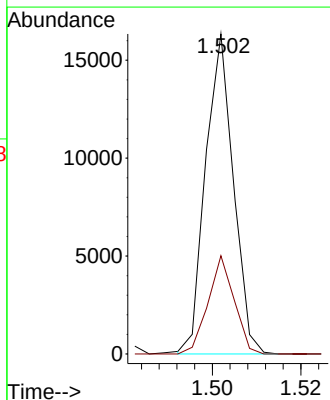
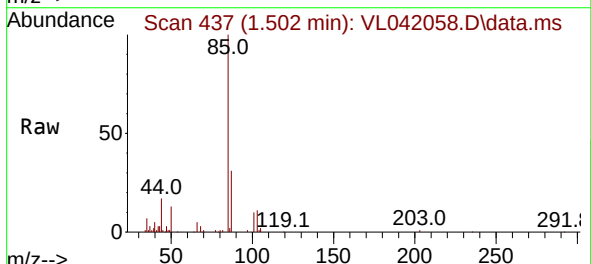
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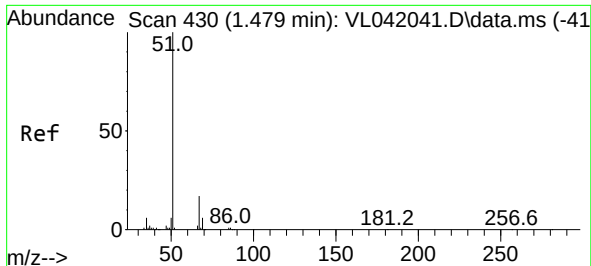
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#2
Dichlorodifluoromethane
Concen: 0.433 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Tgt Ion: 85 Resp: 7122
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6





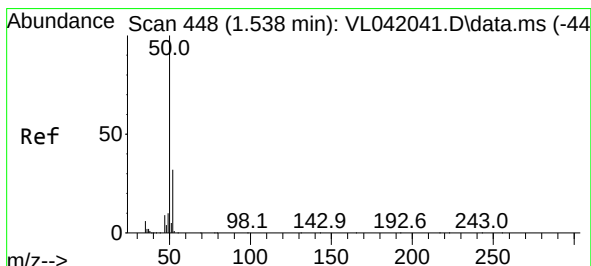
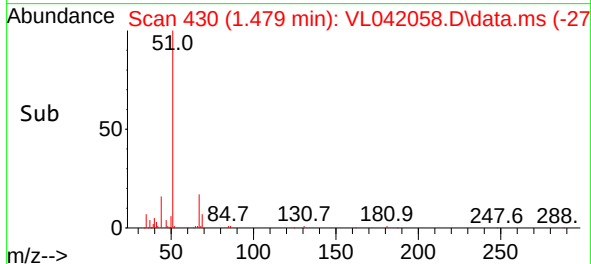
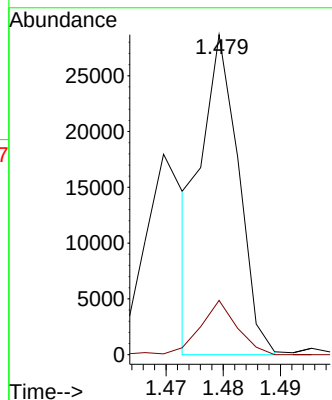
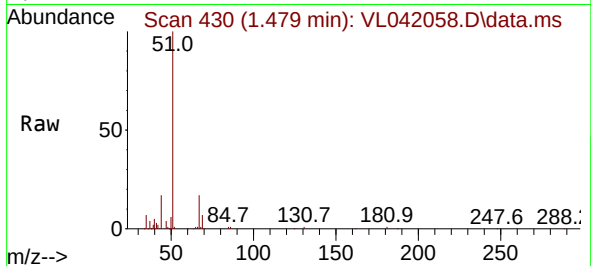
#3
Chlorodifluoromethane
Concen: 0.560 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 1285
Ion Ratio Lower Upper
51 100
67 17.2 13.7 20.5

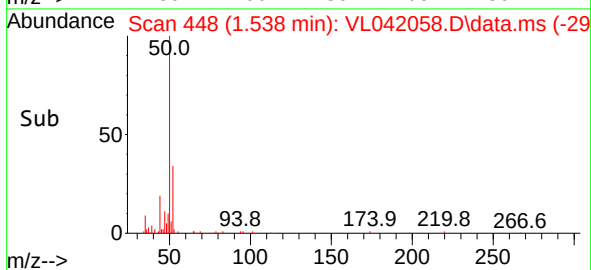
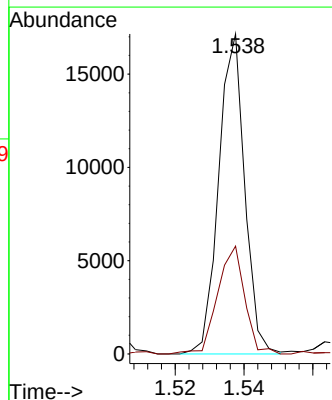
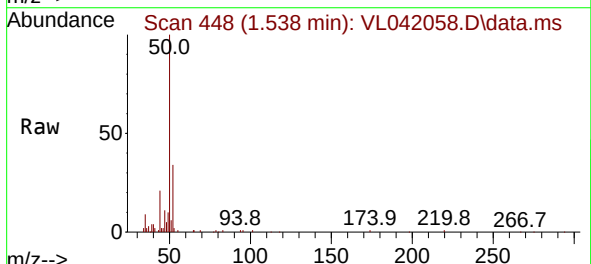
Manual Integrations
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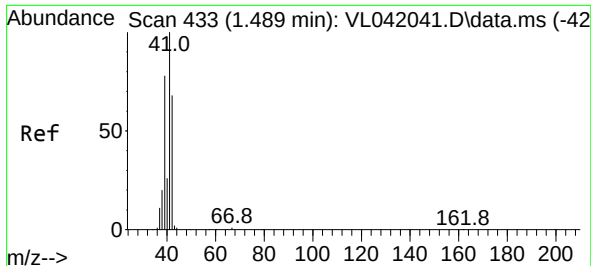
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#4
Chloromethane
Concen: 1.480 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

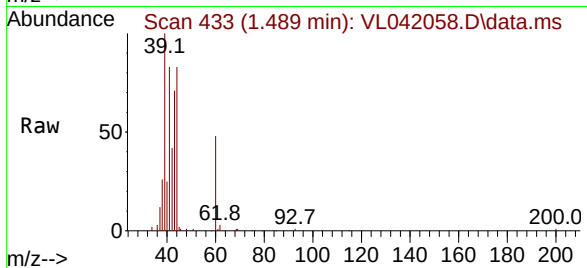
Tgt Ion: 50 Resp: 8995
Ion Ratio Lower Upper
50 100
52 35.9 25.4 38.0





#9
 Propene
 Concen: 1.352 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042058.D
 Acq: 26 Feb 2025 13:21

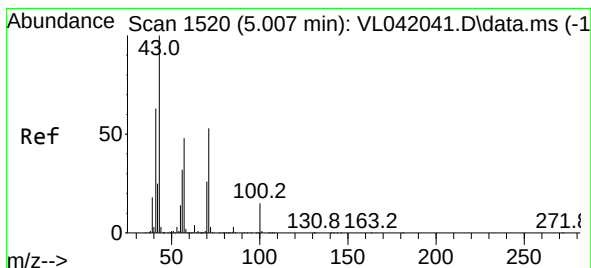
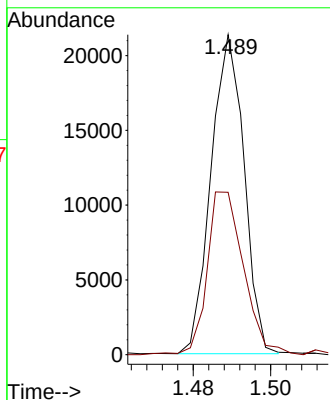
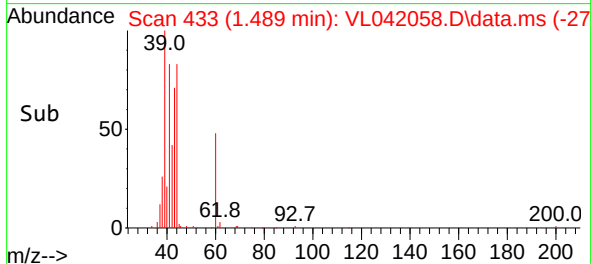
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



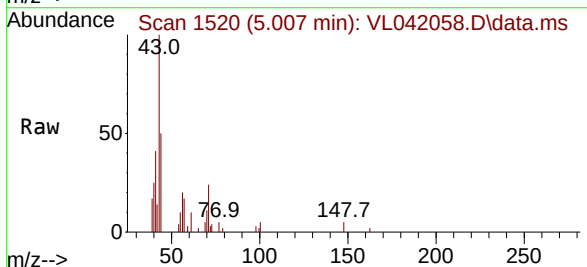
Tgt Ion: 41 Resp: 1265
 Ion Ratio Lower Upper
 41 100
 42 59.2 55.8 83.6

Manual Integrations
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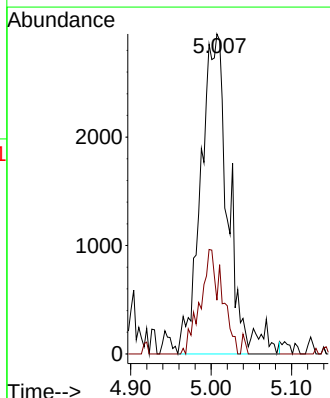
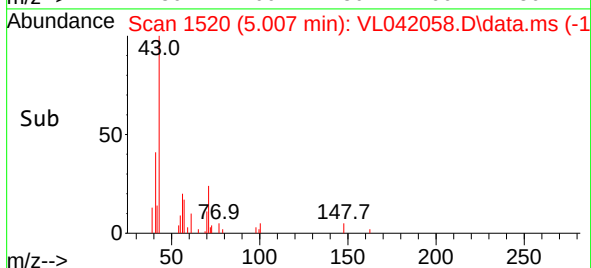
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

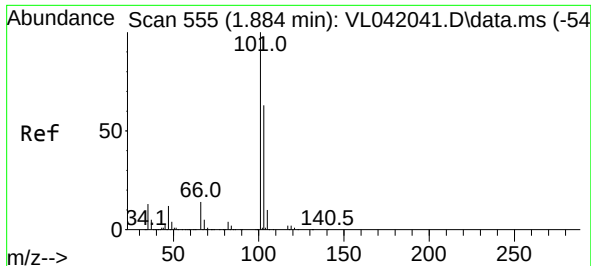


#10
 Heptane
 Concen: 0.241 ppbv m
 RT: 5.007 min Scan# 1520
 Delta R.T. -0.000 min
 Lab File: VL042058.D
 Acq: 26 Feb 2025 13:21



Tgt Ion: 43 Resp: 7010
 Ion Ratio Lower Upper
 43 100
 57 26.4 39.4 59.0#





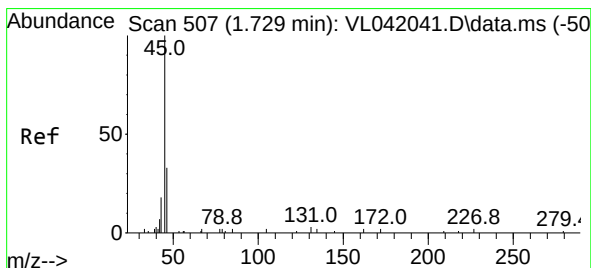
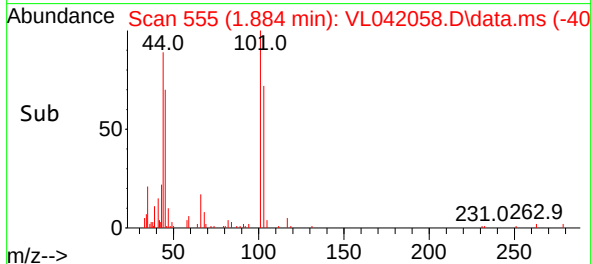
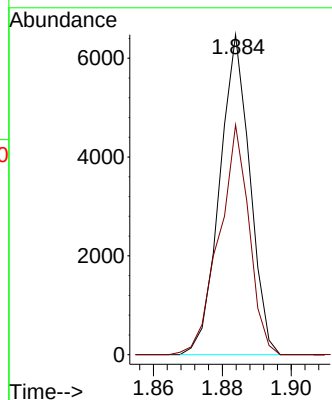
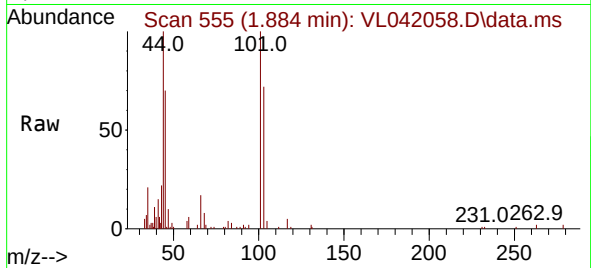
#11
Trichlorofluoromethane
Concen: 0.240 ppbv
RT: 1.884 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 395
Ion Ratio Lower Upper
101 100
103 71.8 50.6 75.8

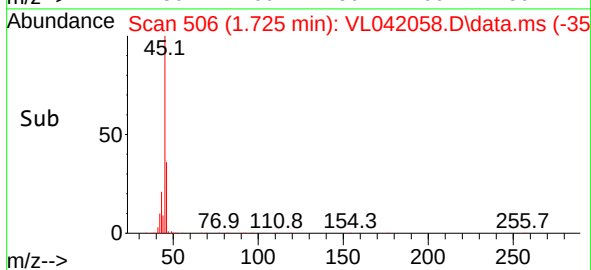
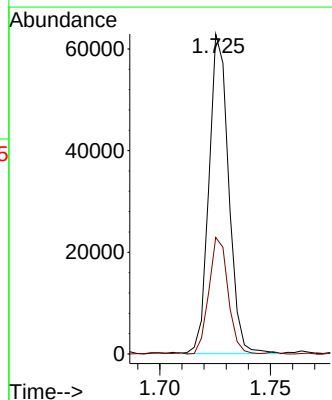
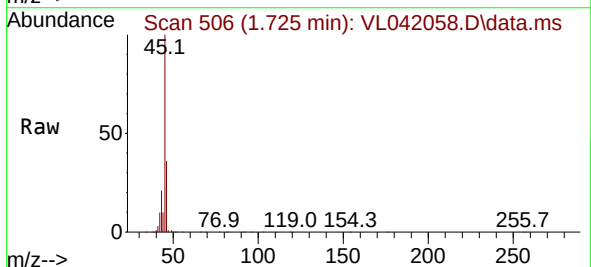
Manual Integrations
APPROVED

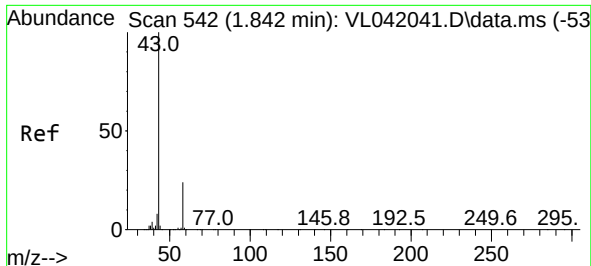
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#13
Ethanol
Concen: 65.437 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

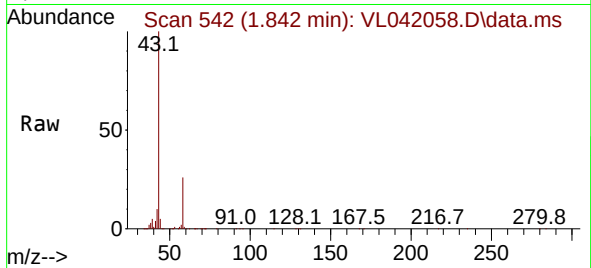
Tgt Ion: 45 Resp: 38875
Ion Ratio Lower Upper
45 100
46 36.6 17.1 68.3





#15
Acetone
Concen: 9.513 ppbv
RT: 1.842 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

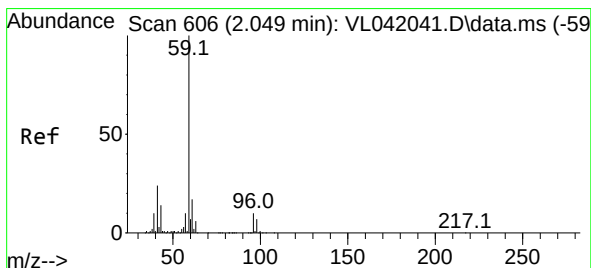
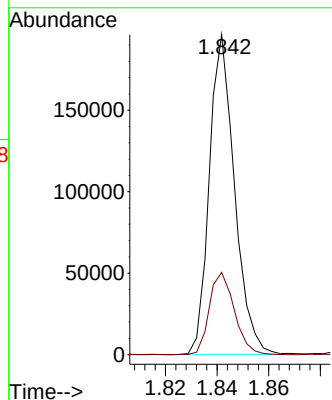
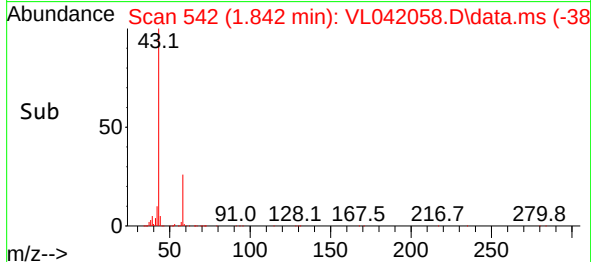
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 132778
Ion Ratio Lower Upper
43 100
58 25.6 20.7 31.1

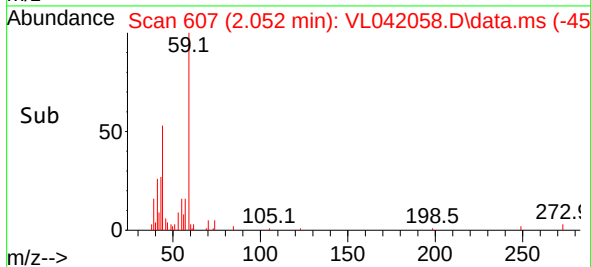
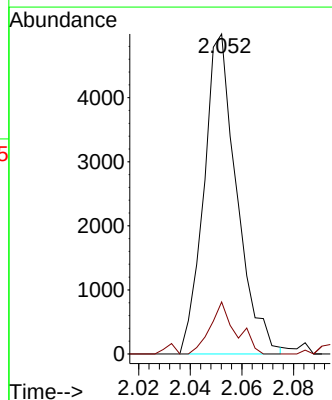
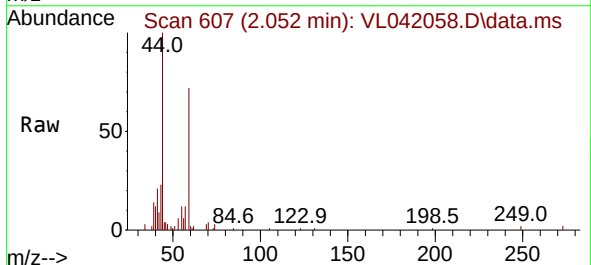
Manual Integrations
APPROVED

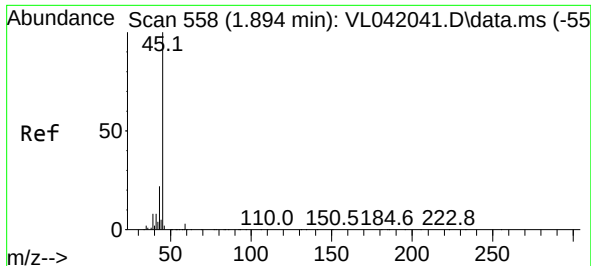
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#17
tert-Butyl alcohol
Concen: 0.253 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

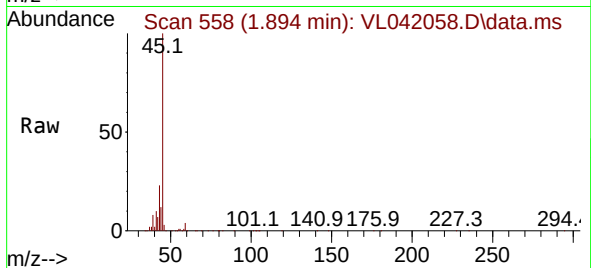
Tgt Ion: 59 Resp: 4414
Ion Ratio Lower Upper
59 100
57 13.7 9.3 13.9





#19
Isopropyl Alcohol
Concen: 5.345 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

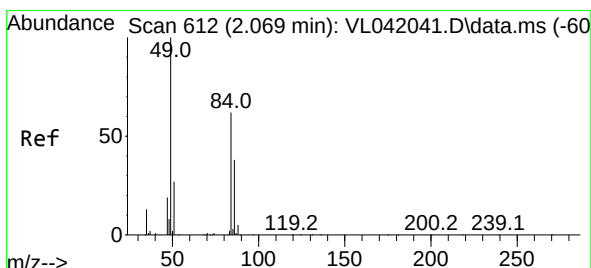
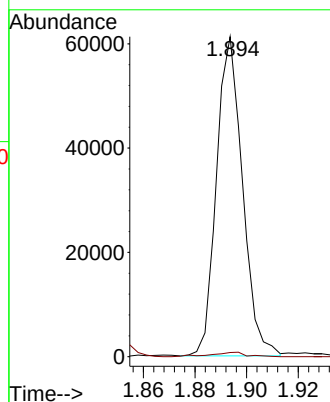
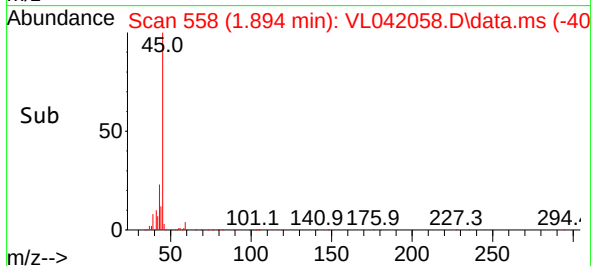
Instrument :
MSVOA_L
ClientSampleId :
OA1



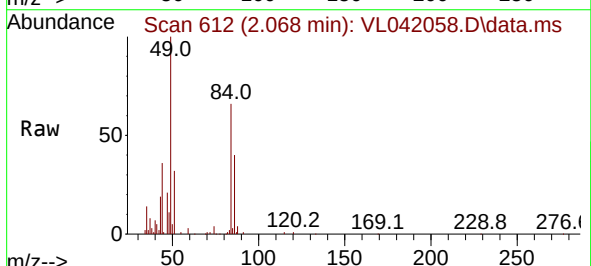
Tgt Ion: 45 Resp: 42850
Ion Ratio Lower Upper
45 100
58 79.3 35.3 52.9

Manual Integrations
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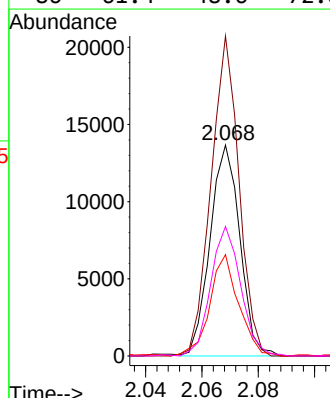
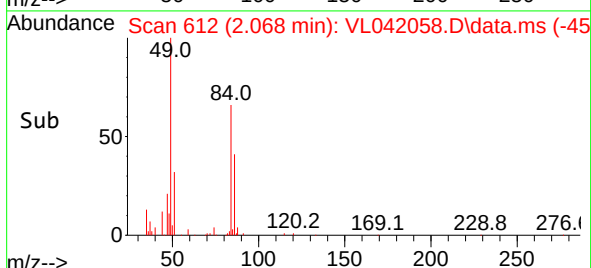
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

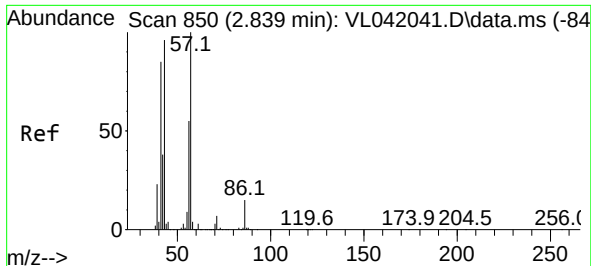


#20
Methylene Chloride
Concen: 1.901 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21



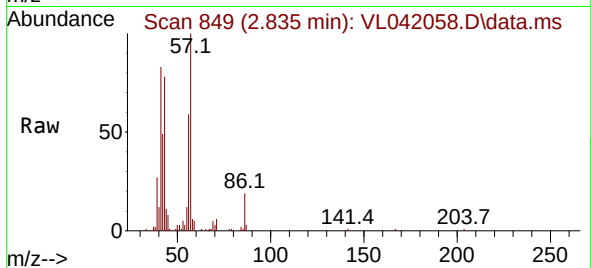
Tgt Ion: 84 Resp: 10038
Ion Ratio Lower Upper
84 100
49 150.9 130.0 195.0
51 48.0 37.4 56.0
86 61.4 48.6 72.8





#26
Hexane
Concen: 0.617 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

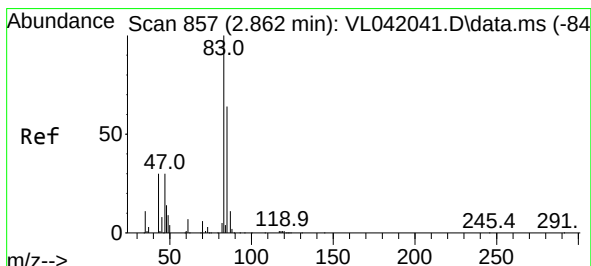
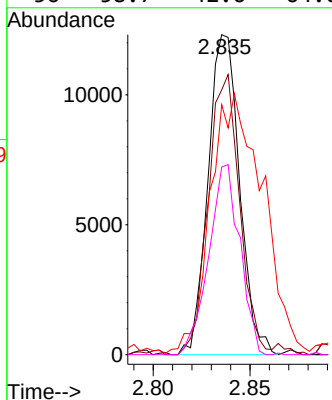
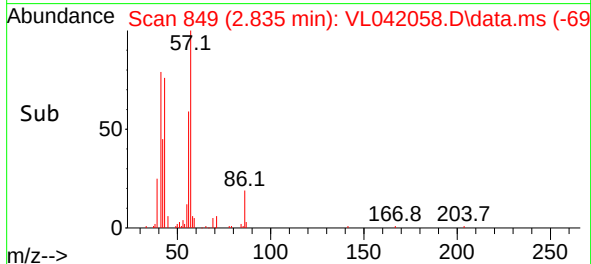
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 1394
Ion Ratio Lower Upper
57 100
41 89.2 70.6 106.0
43 140.0 199.4 299.0
56 58.7 42.6 64.0

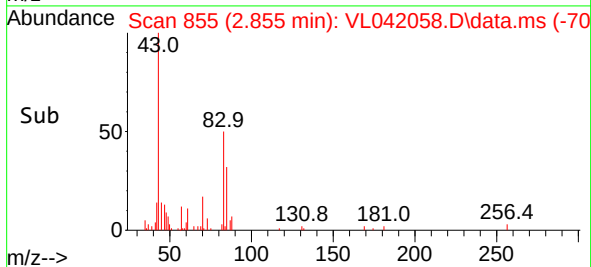
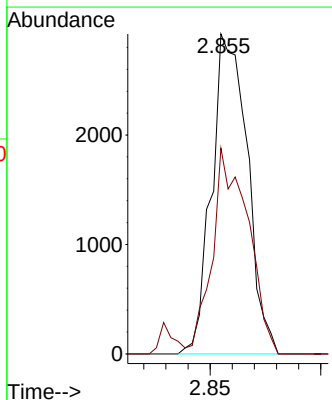
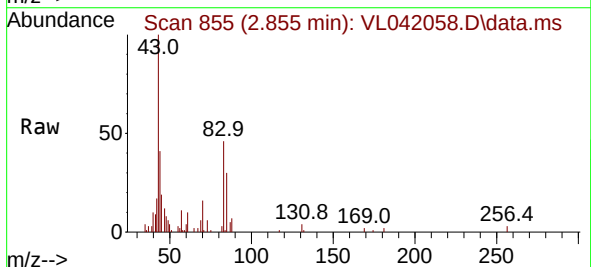
Manual Integrations
APPROVED

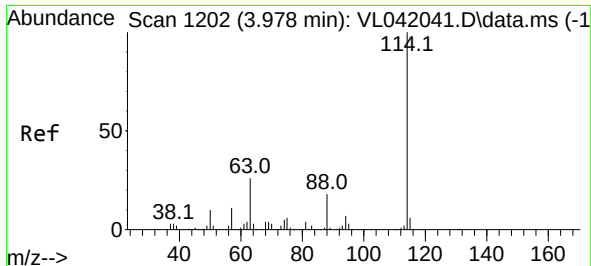
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#29
Chloroform
Concen: 0.108 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.007 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Tgt Ion: 83 Resp: 3270
Ion Ratio Lower Upper
83 100
85 64.3 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 114

Delta R.T. -0.007 min

Lab File: VL042058.D

Acq: 26 Feb 2025 13:21

Instrument :

MSVOA_L

ClientSampleId :

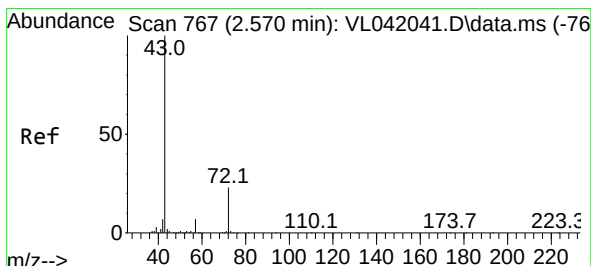
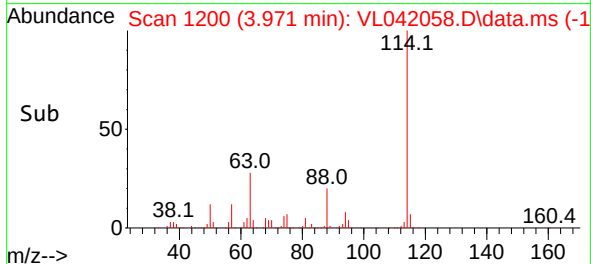
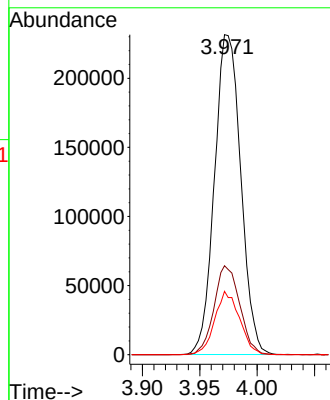
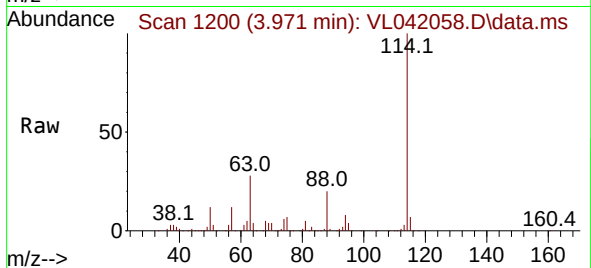
OA1

Tgt Ion:114 Resp: 36929
 Ion Ratio Lower Upper
 114 100
 63 27.2 20.1 30.1
 88 18.7 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025



#34

2-Butanone

Concen: 0.735 ppbv

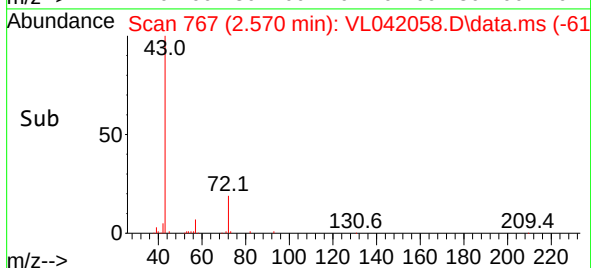
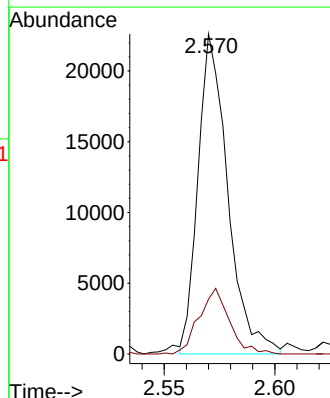
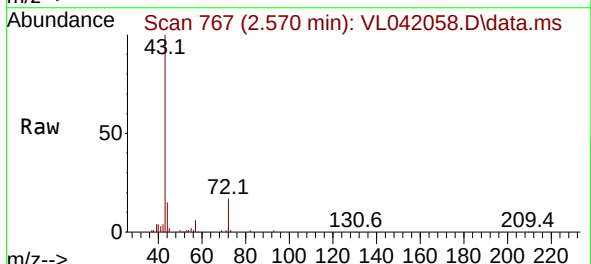
RT: 2.570 min Scan# 767

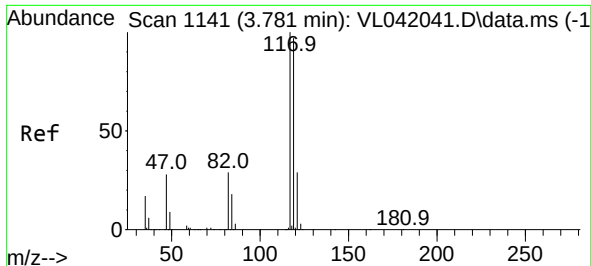
Delta R.T. -0.000 min

Lab File: VL042058.D

Acq: 26 Feb 2025 13:21

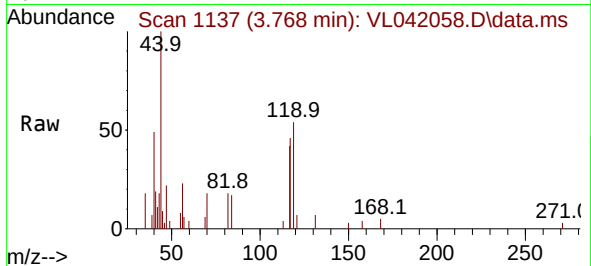
Tgt Ion: 43 Resp: 21157
 Ion Ratio Lower Upper
 43 100
 72 20.9 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. -0.013 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

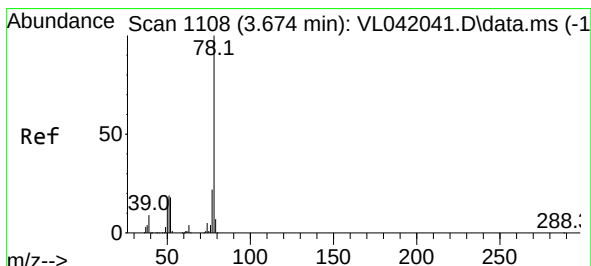
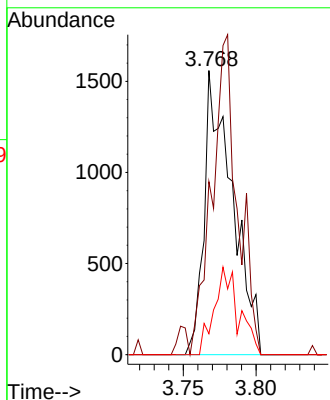
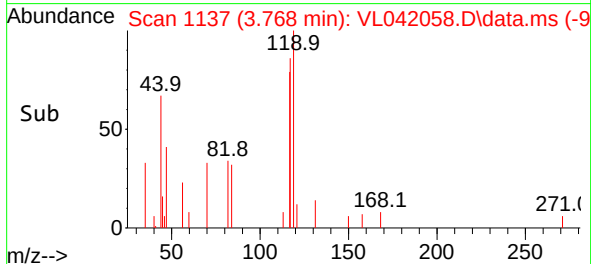
Instrument :
MSVOA_L
ClientSampleId :
OA1



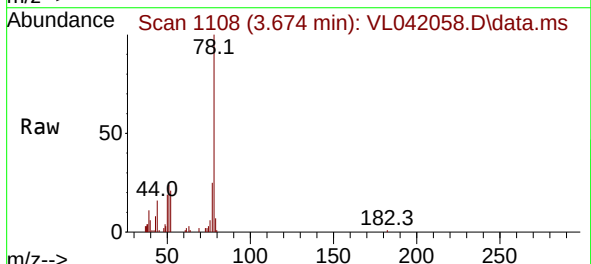
Tgt Ion:117 Resp: 2090
Ion Ratio Lower Upper
117 100
119 116.7 77.8 116.8
121 14.1 23.4 35.0

Manual Integrations
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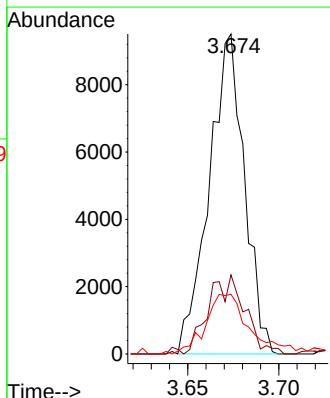
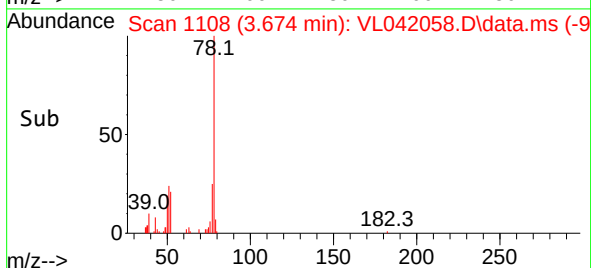
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

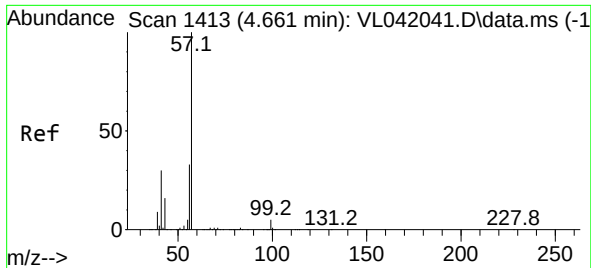


#36
Benzene
Concen: 0.331 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21



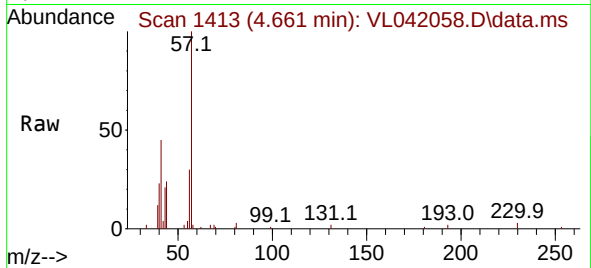
Tgt Ion: 78 Resp: 12783
Ion Ratio Lower Upper
78 100
77 23.3 17.7 26.5
50 17.7 13.9 20.9





#44
2,2,4-Trimethylpentane
Concen: 0.150 ppbv m
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

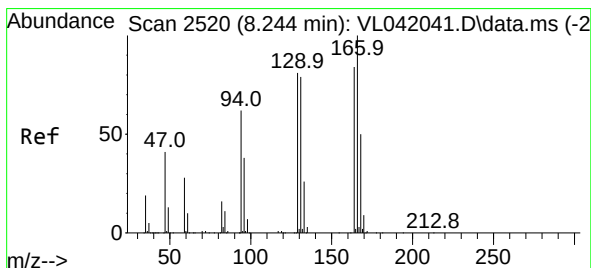
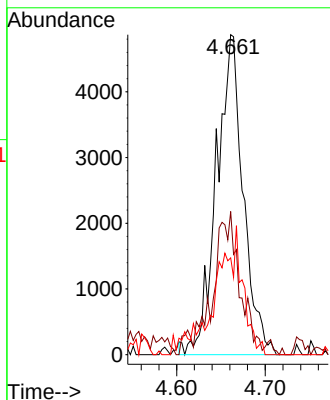
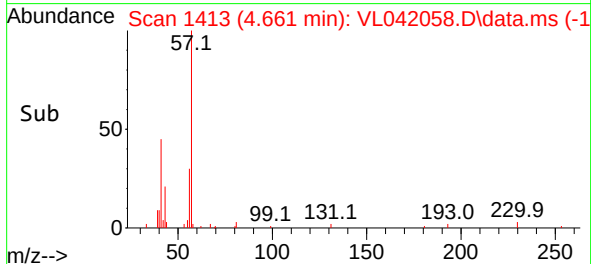
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 10220
Ion Ratio Lower Upper
57 100
41 47.2 24.4 36.6
56 41.2 26.5 39.7

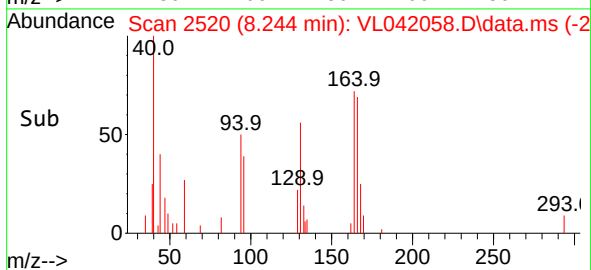
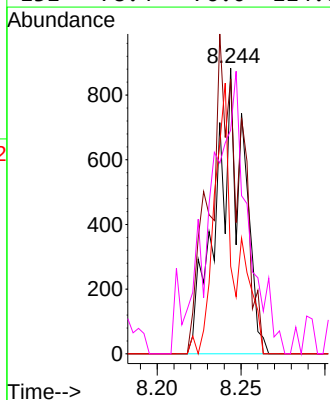
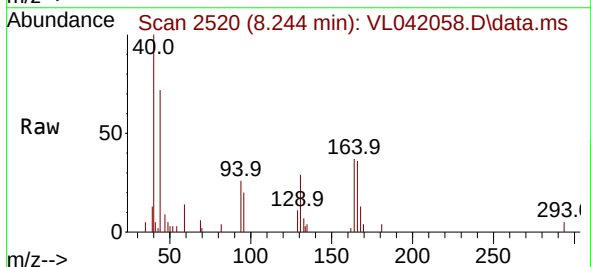
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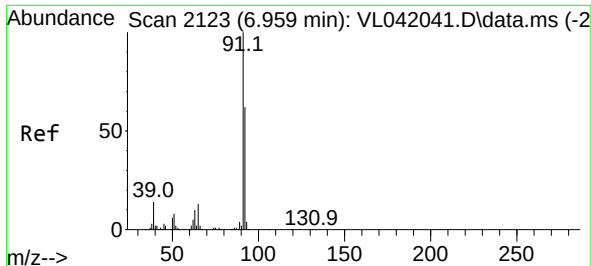
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#52
Tetrachloroethene
Concen: 0.077 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Tgt Ion:164 Resp: 1014
Ion Ratio Lower Upper
164 100
166 96.3 95.7 143.5
129 30.7 77.1 115.7#
131 78.4 76.0 114.0





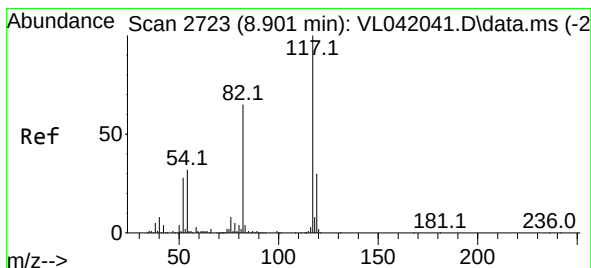
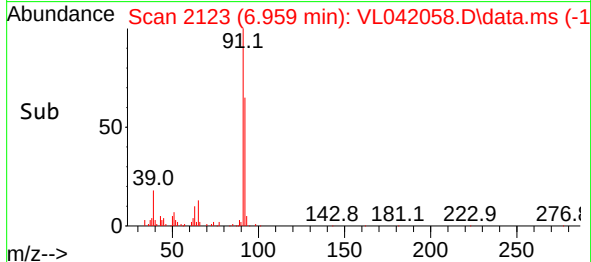
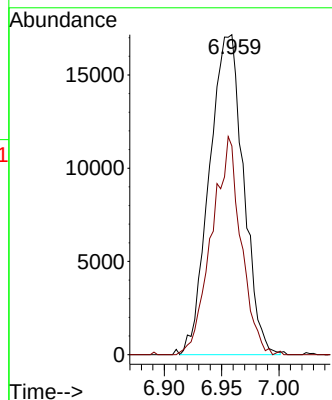
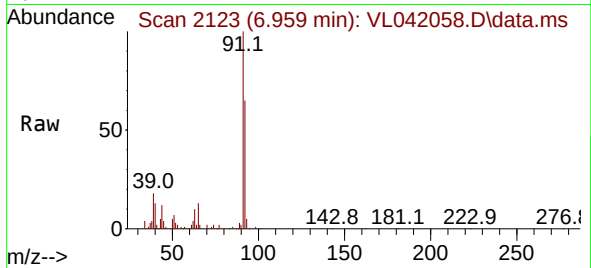
#53
Toluene
Concen: 0.822 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 35528
Ion Ratio Lower Upper
91 100
92 58.8 49.0 73.6

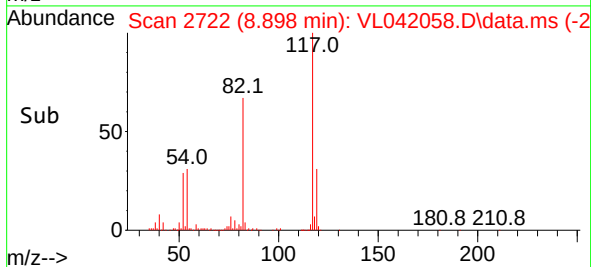
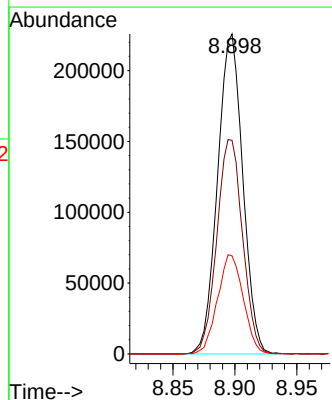
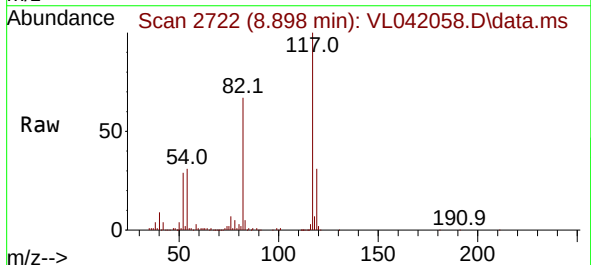
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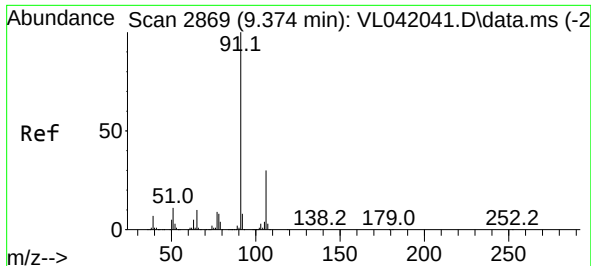
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Tgt Ion:117 Resp: 320901
Ion Ratio Lower Upper
117 100
82 68.3 55.0 82.6
119 31.7 25.9 38.9





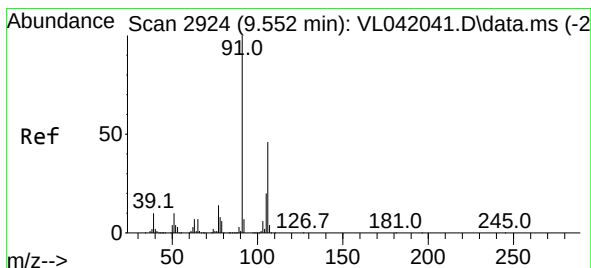
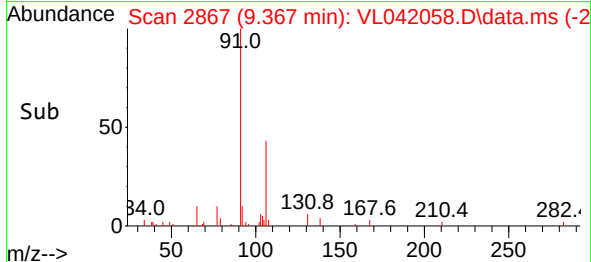
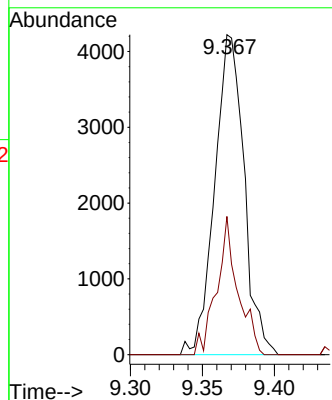
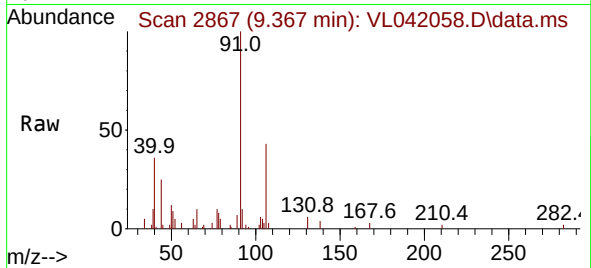
#58
Ethyl Benzene
Concen: 0.101 ppbv m
RT: 9.367 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 597
Ion Ratio Lower Upper
91 100
106 43.2 24.2 36.2

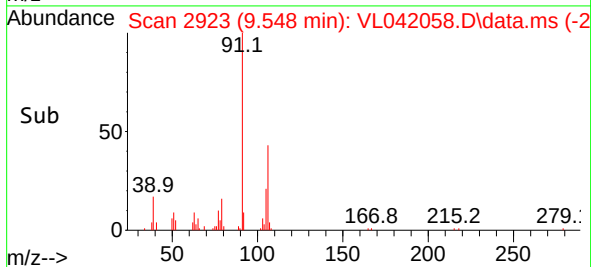
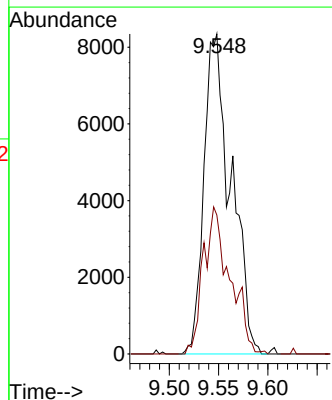
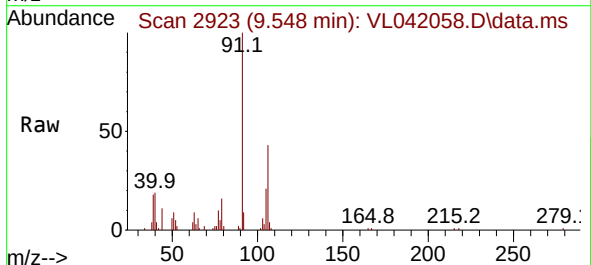
Manual Integrations
APPROVED

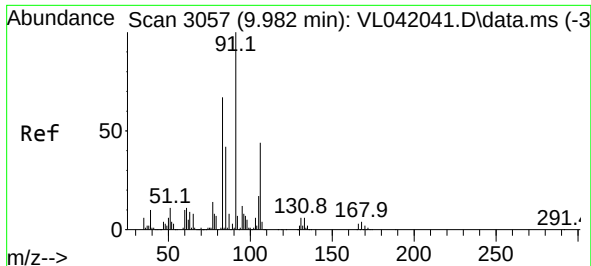
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#59
m/p-Xylene
Concen: 0.339 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

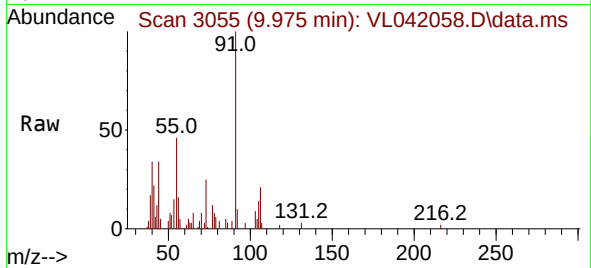
Tgt Ion: 91 Resp: 15937
Ion Ratio Lower Upper
91 100
106 45.3 0.0 0.0





#60
o-Xylene
Concen: 0.119 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.007 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21

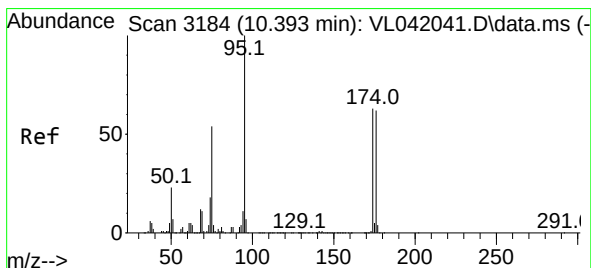
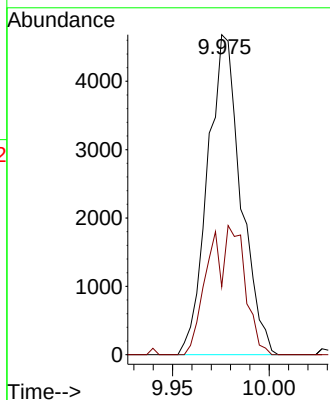
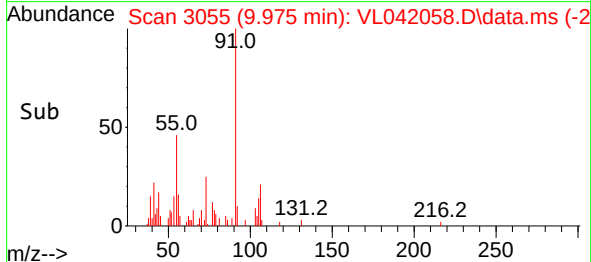
Instrument :
MSVOA_L
ClientSampleId :
OA1



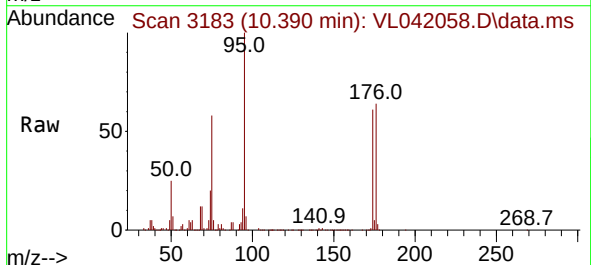
Tgt Ion: 91 Resp: 560
Ion Ratio Lower Upper
91 100
106 44.1 22.3 66.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.152 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042058.D
Acq: 26 Feb 2025 13:21



Tgt Ion: 95 Resp: 250640
Ion Ratio Lower Upper
95 100
174 61.8 51.8 77.6
175 4.5 3.9 5.9

