

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041903.D
 Acq On : 14 Jan 2025 21:47
 Operator : SY/MD
 Sample : Q1073-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 03:28:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	134154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	393472	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	335047	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	271840	10.301	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	7195	0.394	ppbv	96
4) Chloromethane	1.534	50	3634	0.529	ppbv	96
9) Propene	1.489	41	6475m	0.821	ppbv	
10) Heptane	4.991	43	132549	6.288	ppbv	98
11) Trichlorofluoromethane	1.881	101	5859	0.308	ppbv	90
13) Ethanol	1.725	45	95241	164.886	ppbv	87
15) Acetone	1.839	43	213102	13.226	ppbv	99
19) Isopropyl Alcohol	1.890	45	41786	4.374	ppbv #	1
20) Methylene Chloride	2.068	84	3794	0.596	ppbv #	78
26) Hexane	2.832	57	254475	14.808	ppbv #	35
29) Chloroform	2.855	83	21538	0.793	ppbv	95
30) Cyclohexane	3.865	84	31823	2.135	ppbv	98
34) 2-Butanone	2.560	43	414763	16.575	ppbv	99
35) Carbon Tetrachloride	3.774	117	1820	0.074	ppbv #	64
36) Benzene	3.664	78	9360	0.259	ppbv #	93
52) Tetrachloroethene	8.231	164	8591	0.687	ppbv	92
53) Toluene	6.943	91	897997	22.844	ppbv	100
59) m/p-Xylene	9.539	91	6968m	0.166	ppbv	
74) 1,2,4-Trimethylbenzene	11.542	105	6823	0.143	ppbv #	60

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

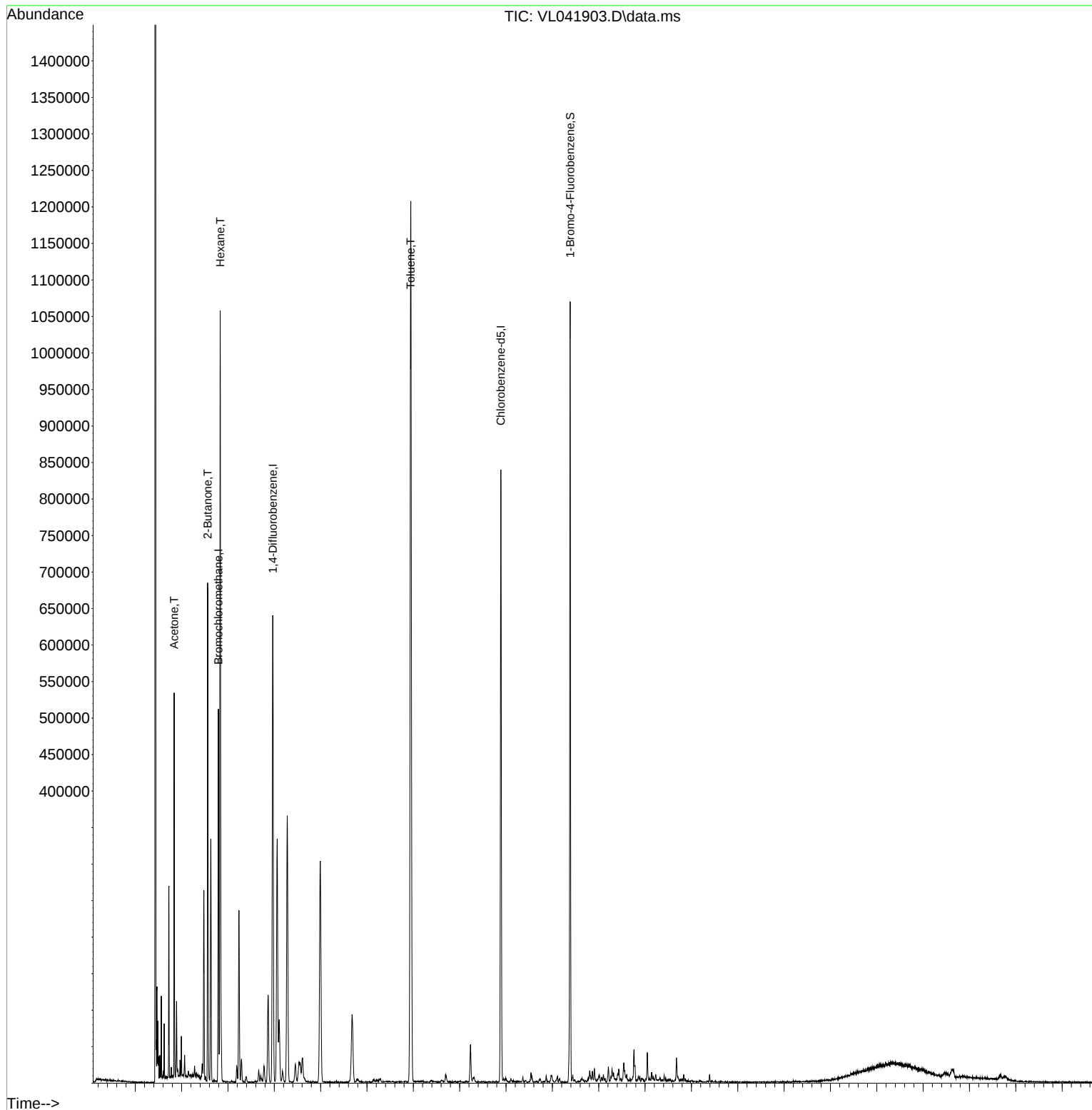
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Data File : VL041903.D
Acq On : 14 Jan 2025 21:47
Operator : SY/MD
Sample : Q1073-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

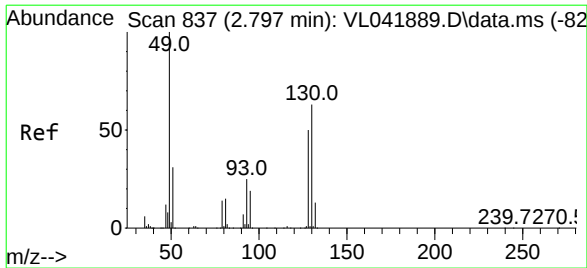
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Jan 15 03:28:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 01/15/2025





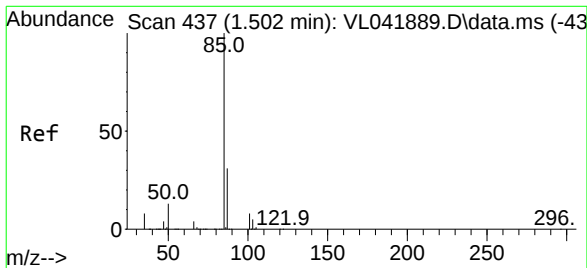
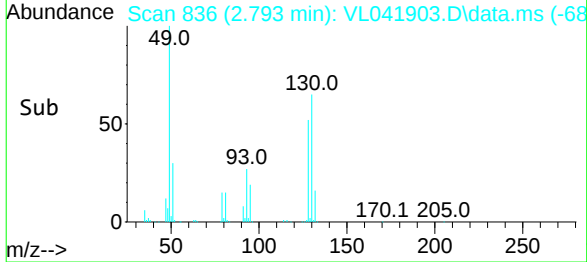
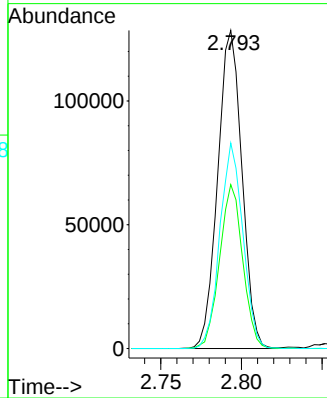
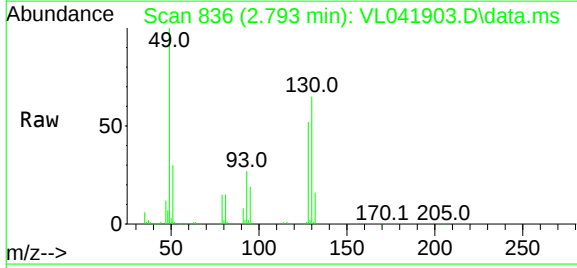
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 837
Delta R.T. -0.004 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 49 Resp: 134154
Ion Ratio Lower Upper
49 100
128 49.1 24.3 73.0
130 61.6 31.1 93.2

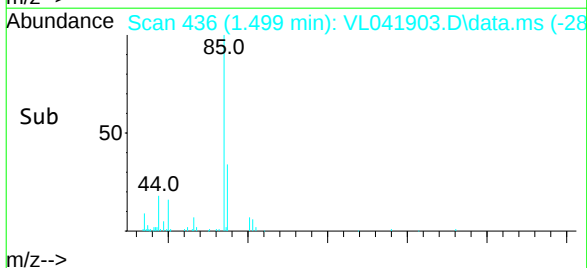
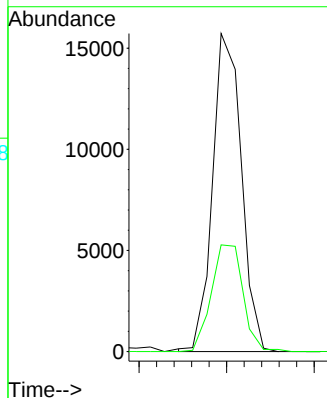
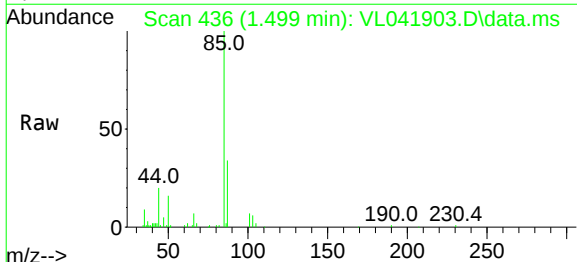
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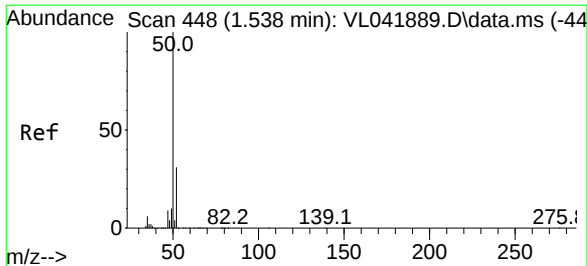
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 0.394 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

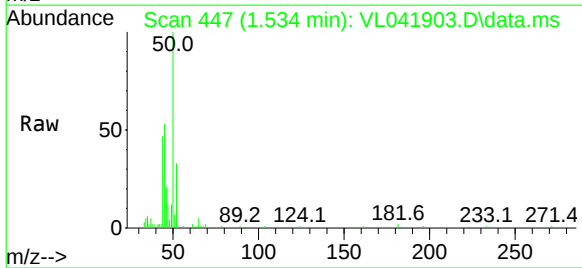
Tgt Ion: 85 Resp: 7195
Ion Ratio Lower Upper
85 100
87 33.5 24.9 37.3





#4
Chloromethane
Concen: 0.529 ppbv
RT: 1.534 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

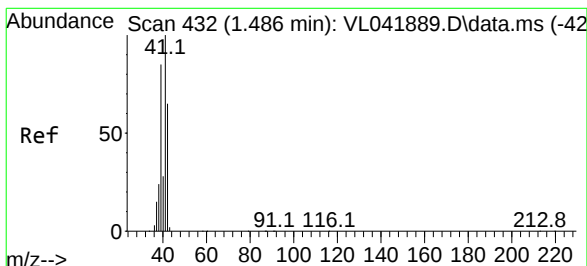
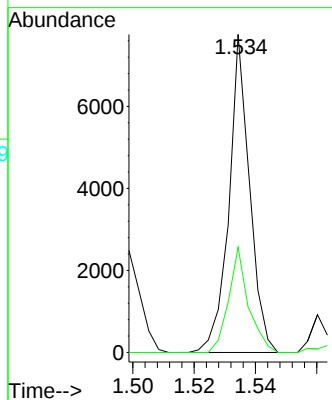
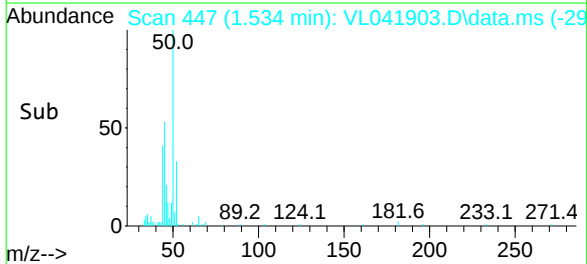
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 50 Resp: 3634
Ion Ratio Lower Upper
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52 33.1 24.6 36.8

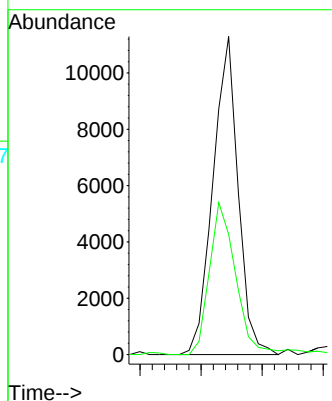
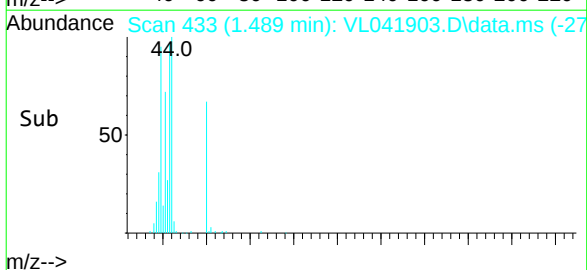
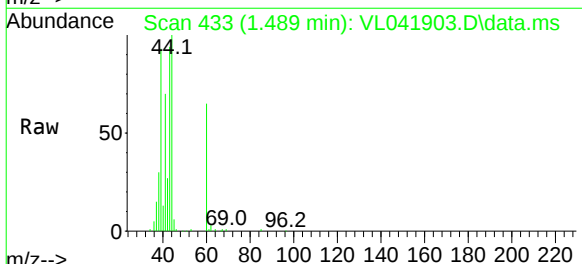
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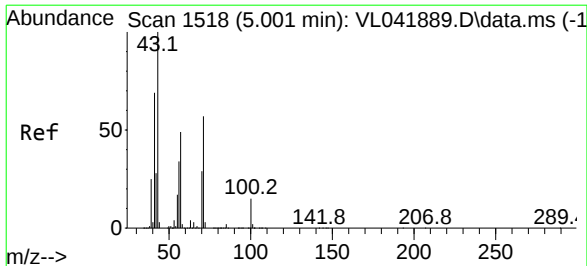
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#9
Propene
Concen: 0.821 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Tgt Ion: 41 Resp: 6475
Ion Ratio Lower Upper
41 100
42 65.3 52.0 78.0





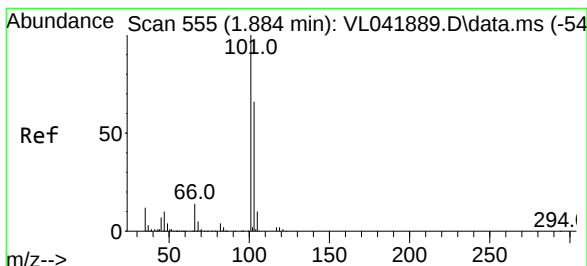
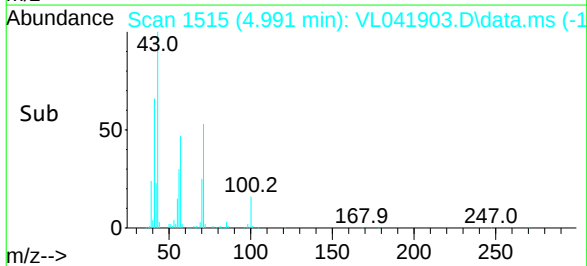
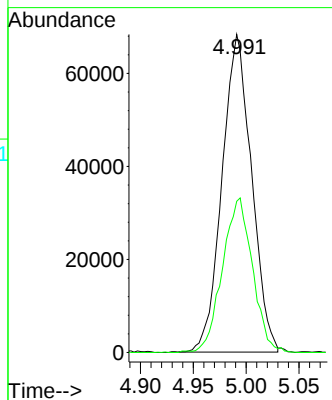
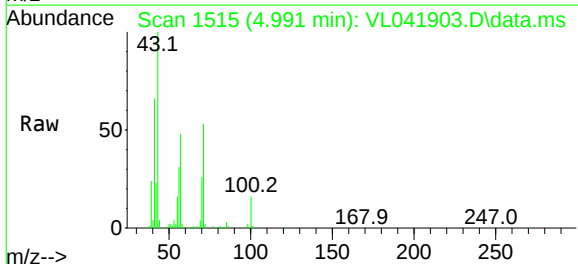
#10
Heptane
Concen: 6.288 ppbv
RT: 4.991 min Scan# 1518
Delta R.T. -0.010 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 132549
Ion Ratio Lower Upper
43 100
57 49.6 41.0 61.4

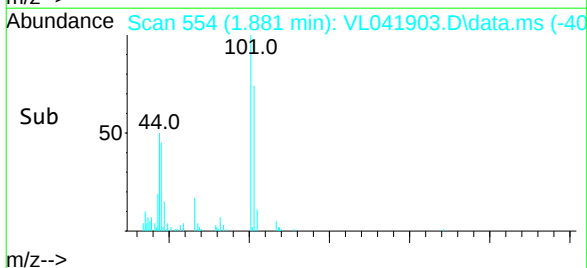
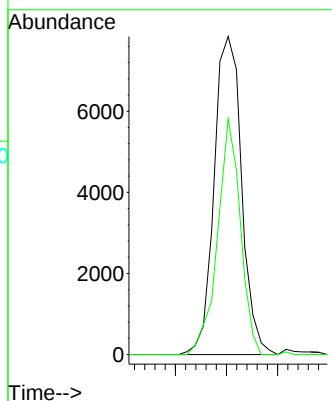
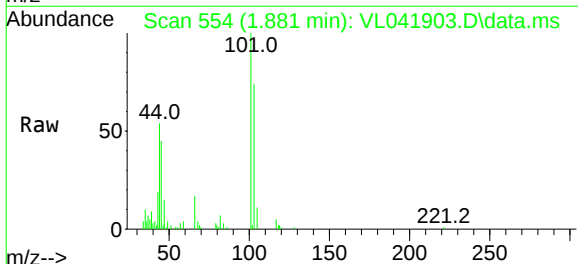
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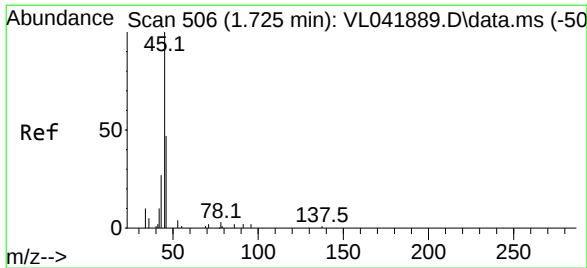
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#11
Trichlorofluoromethane
Concen: 0.308 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Tgt Ion:101 Resp: 5859
Ion Ratio Lower Upper
101 100
103 74.0 53.1 79.7





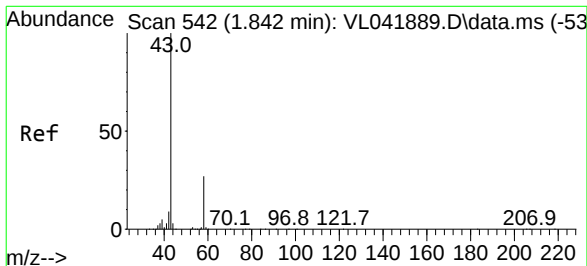
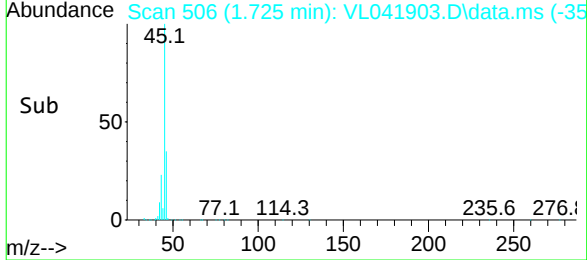
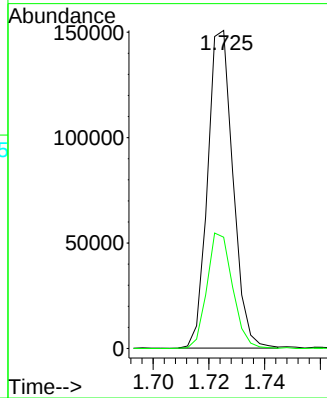
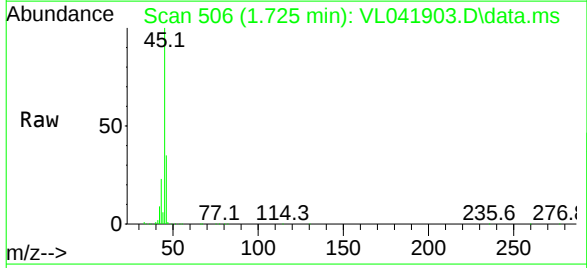
#13
Ethanol
Concen: 164.886 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 95241
Ion Ratio Lower Upper
45 100
46 36.9 18.1 72.5

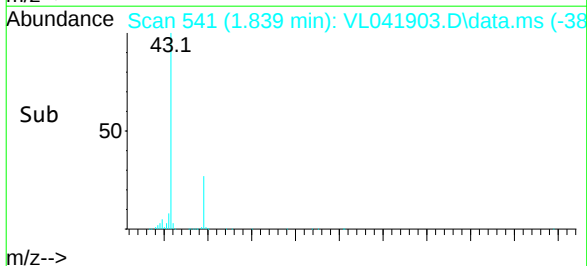
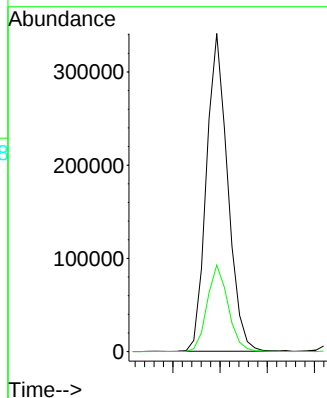
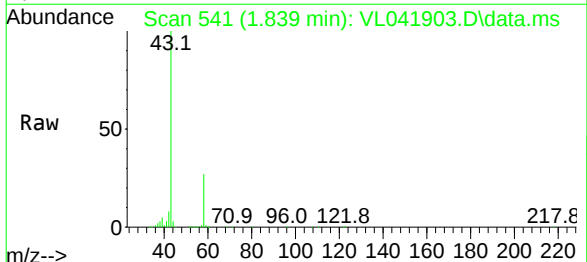
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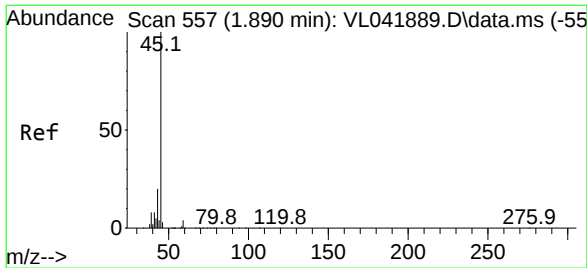
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#15
Acetone
Concen: 13.226 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Tgt Ion: 43 Resp: 213102
Ion Ratio Lower Upper
43 100
58 26.9 21.9 32.9





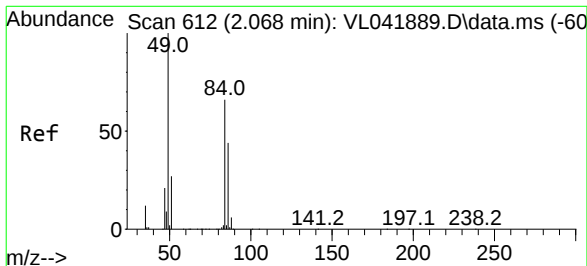
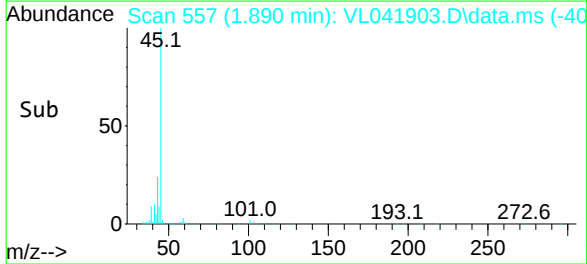
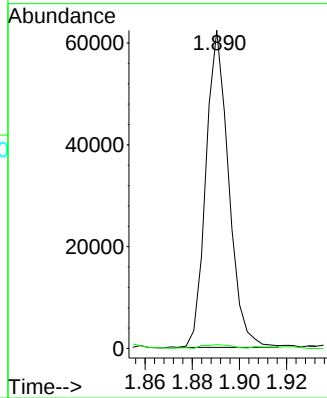
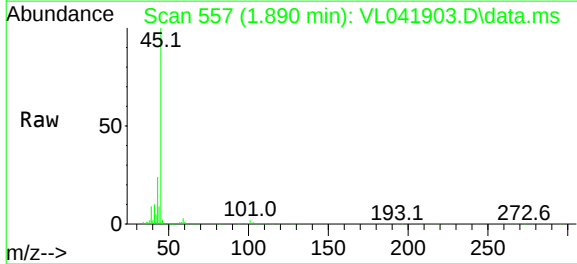
#19
Isopropyl Alcohol
Concen: 4.374 ppbv
RT: 1.890 min Scan# 557
Delta R.T. -0.000 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 41786
Ion Ratio Lower Upper
45 100
58 137.1 35.0 52.6#

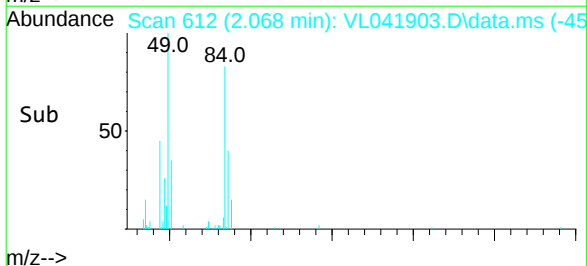
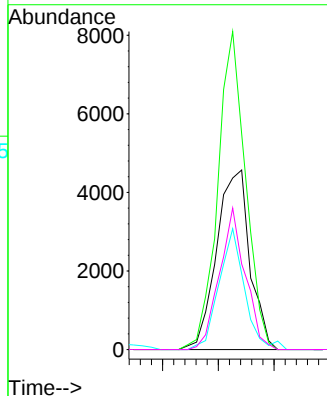
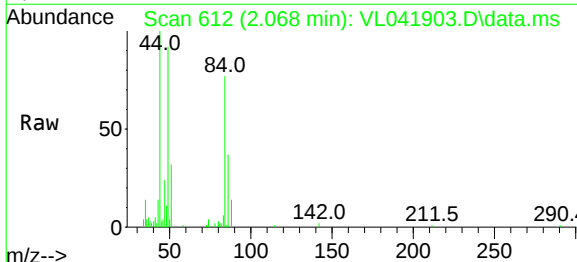
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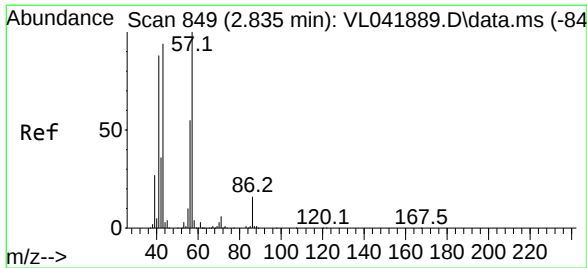
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#20
Methylene Chloride
Concen: 0.596 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

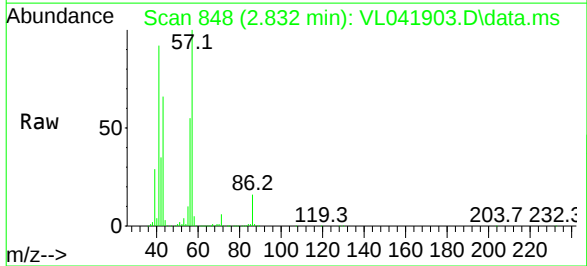
Tgt Ion: 84 Resp: 3794
Ion Ratio Lower Upper
84 100
49 120.2 123.1 184.7#
51 42.3 35.8 53.8
86 47.7 53.7 80.5#





#26
Hexane
Concen: 14.808 ppbv
RT: 2.832 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

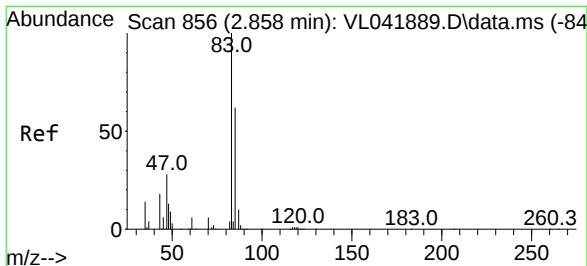
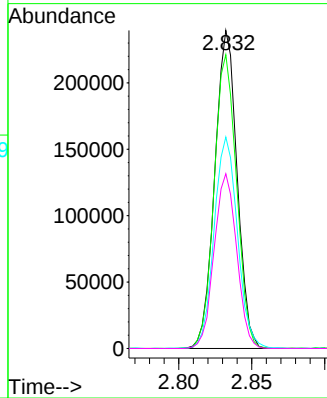
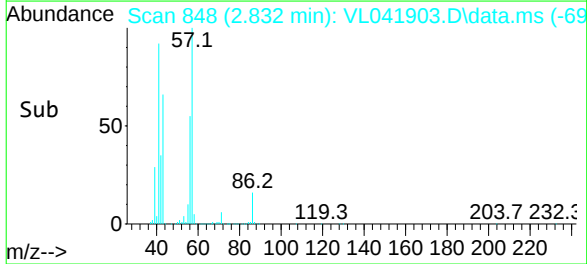
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 254475
Ion Ratio Lower Upper
57 100
41 93.3 73.8 110.8
43 69.7 197.3 295.9#
56 55.6 42.7 64.1

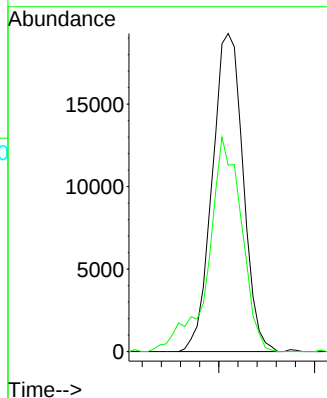
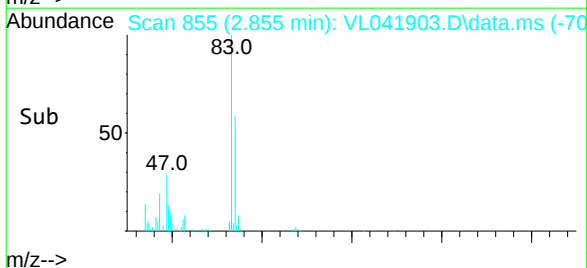
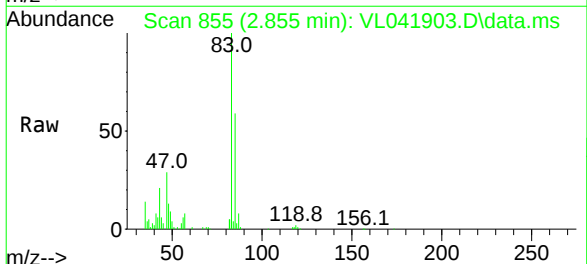
Manual Integrations
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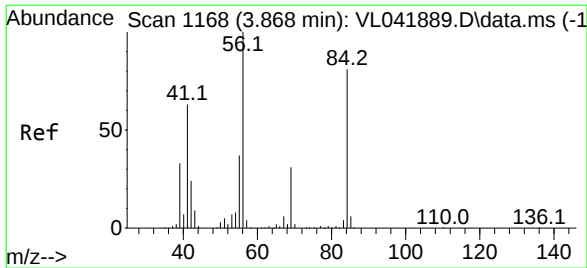
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#29
Chloroform
Concen: 0.793 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Tgt Ion: 83 Resp: 21538
Ion Ratio Lower Upper
83 100
85 58.7 50.1 75.1





#30

Cyclohexane

Concen: 2.135 ppbv

RT: 3.865 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041903.D

Acq: 14 Jan 2025 21:47

Instrument :

MSVOA_L

ClientSampleId :

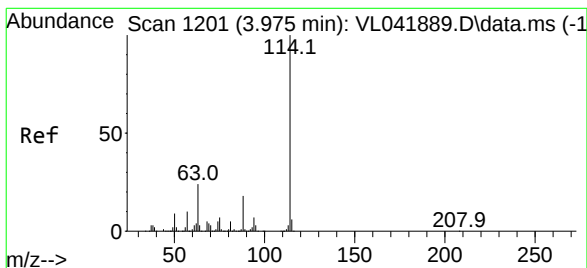
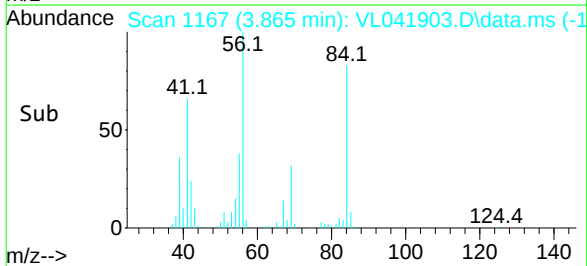
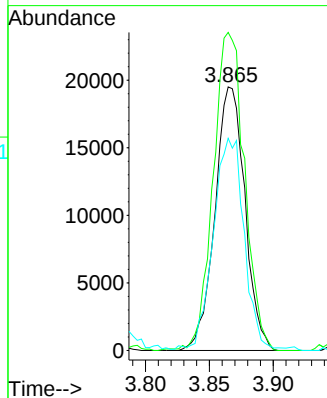
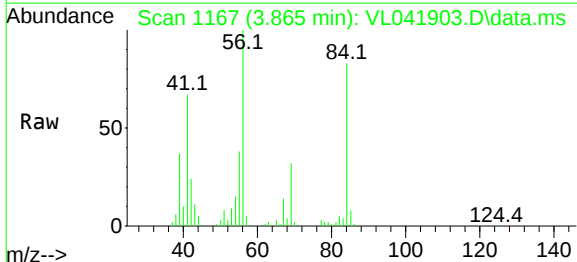
IA2

Tgt Ion	Ratio	Lower	Upper
84	100		
56	126.0	99.3	148.9
41	83.4	64.3	96.5

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 01/15/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

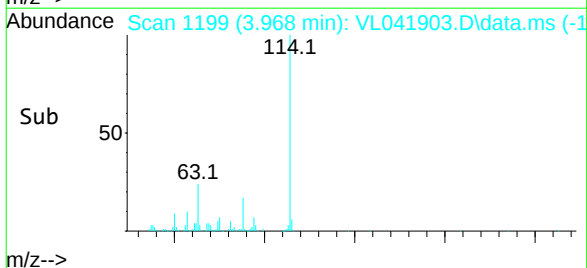
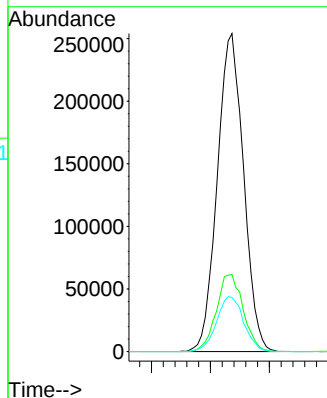
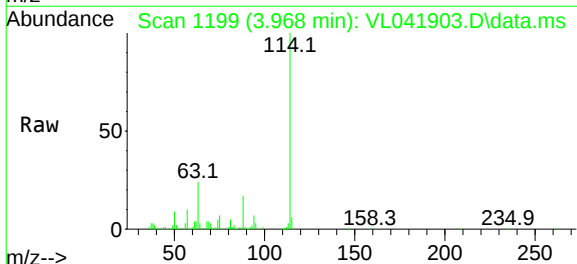
RT: 3.968 min Scan# 1199

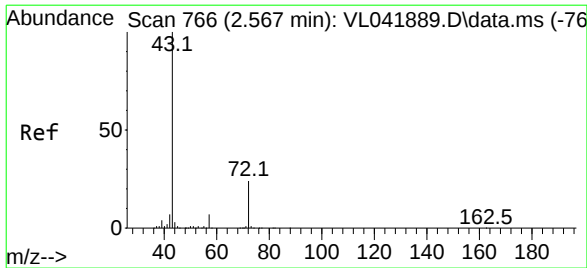
Delta R.T. -0.006 min

Lab File: VL041903.D

Acq: 14 Jan 2025 21:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.8	29.6
88	17.8	14.4	21.6





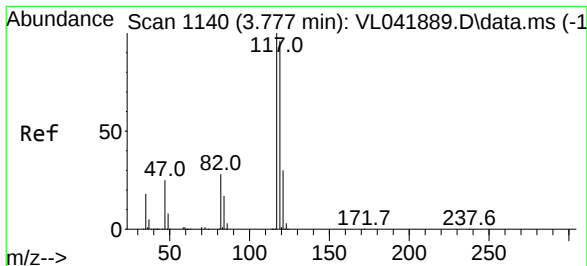
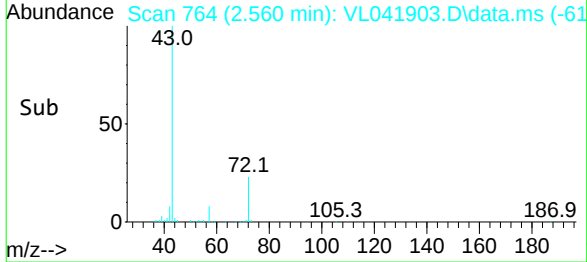
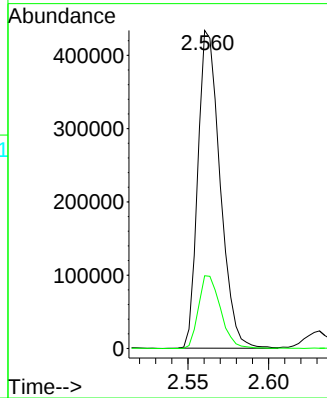
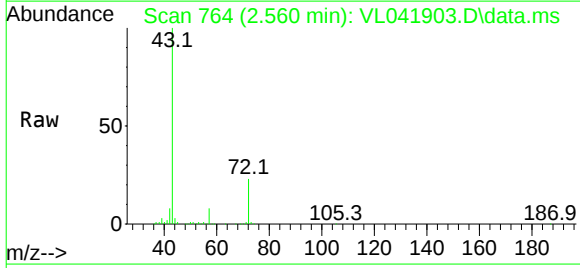
#34
2-Butanone
Concen: 16.575 ppbv
RT: 2.560 min Scan# 766
Delta R.T. -0.006 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 414763
Ion Ratio Lower Upper
43 100
72 23.0 18.6 28.0

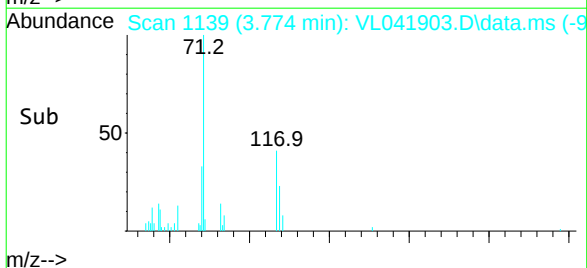
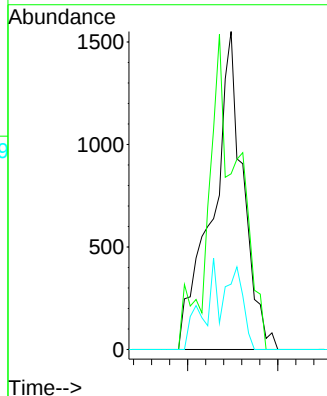
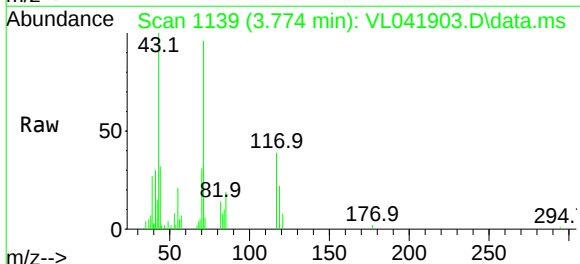
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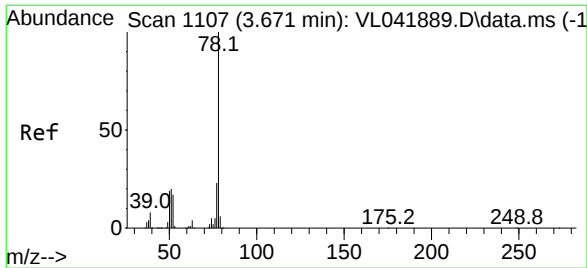
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#35
Carbon Tetrachloride
Concen: 0.074 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

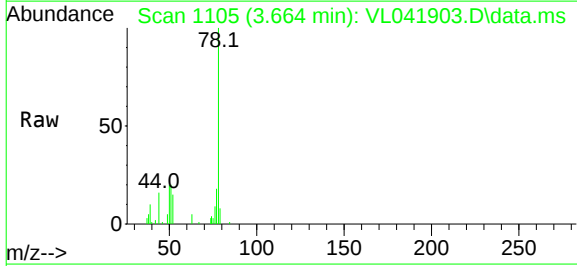
Tgt Ion:117 Resp: 1820
Ion Ratio Lower Upper
117 100
119 55.3 76.9 115.3#
121 20.6 23.8 35.6#





#36
Benzene
Concen: 0.259 ppbv
RT: 3.664 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

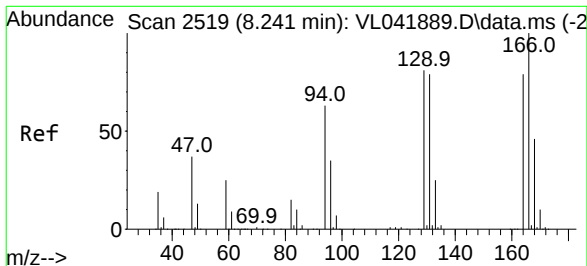
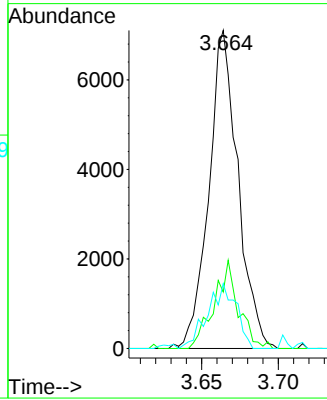
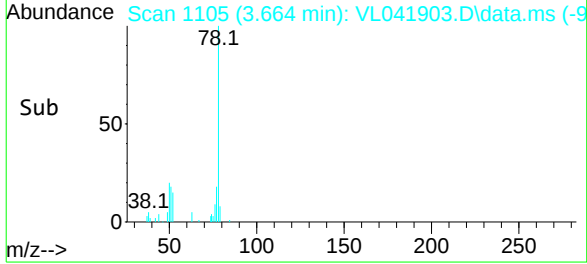
Instrument : MSVOA_L
ClientSampleId : IA2



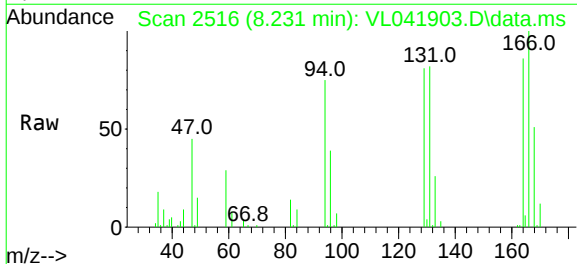
Tgt Ion: 78 Resp: 9360
Ion Ratio Lower Upper
78 100
77 17.8 18.1 27.1
50 20.4 15.2 22.8

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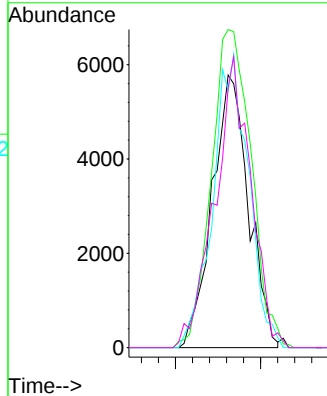
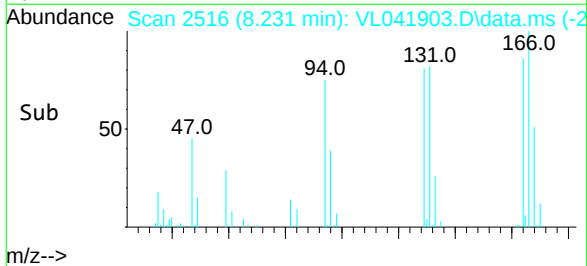
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

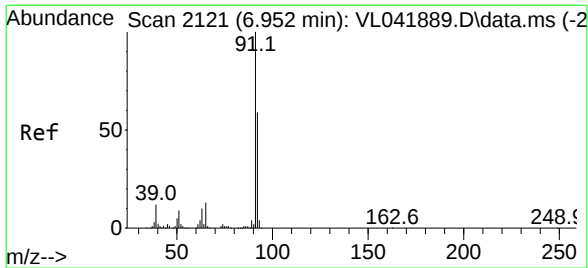


#52
Tetrachloroethene
Concen: 0.687 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.010 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47



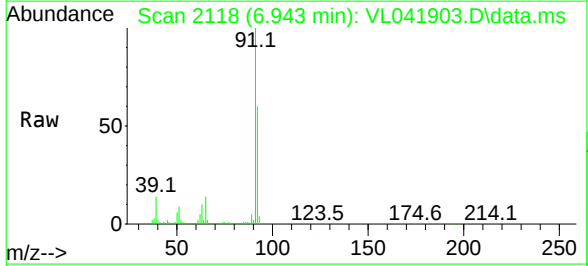
Tgt Ion:164 Resp: 8591
Ion Ratio Lower Upper
164 100
166 114.4 100.8 151.2
129 94.3 82.0 123.0
131 93.6 80.2 120.2





#53
Toluene
Concen: 22.844 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.010 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

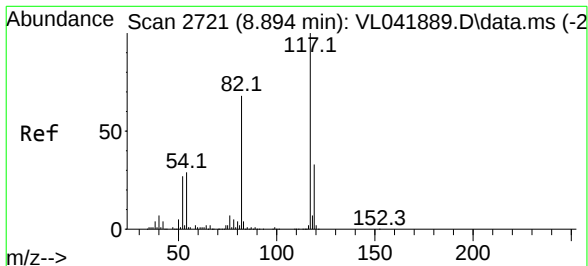
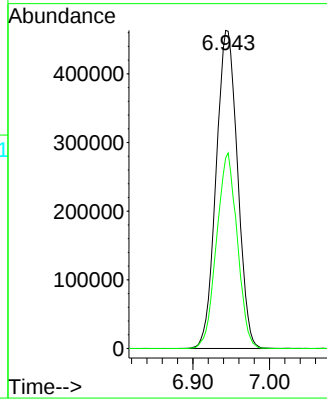
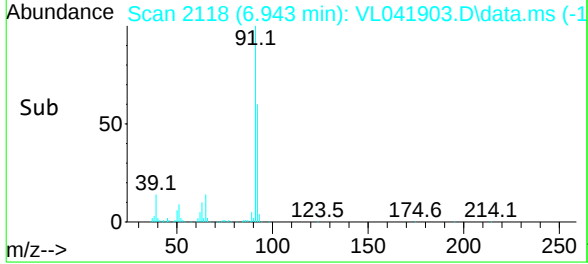
Instrument : MSVOA_L
ClientSampleId : IA2



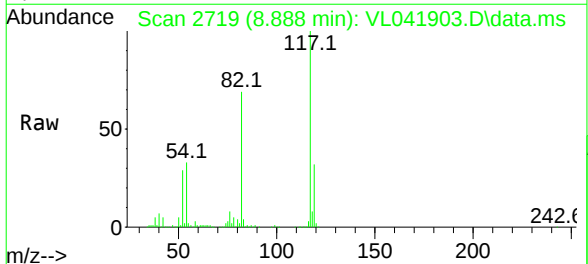
Tgt Ion: 91 Resp: 897997
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.0

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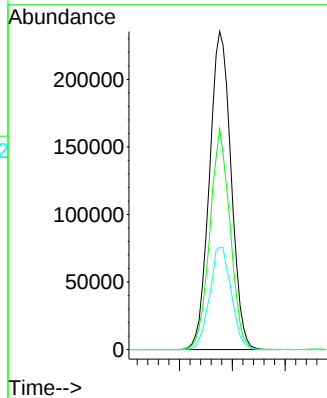
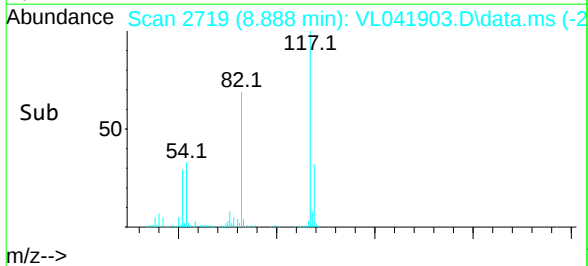
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

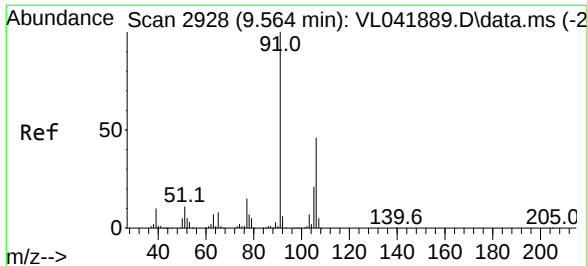


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.006 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47



Tgt Ion:117 Resp: 335047
Ion Ratio Lower Upper
117 100
82 64.8 54.2 81.4
119 32.2 25.0 37.6





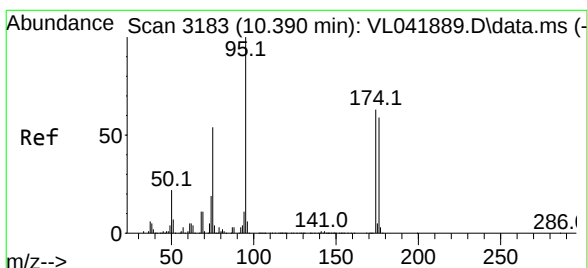
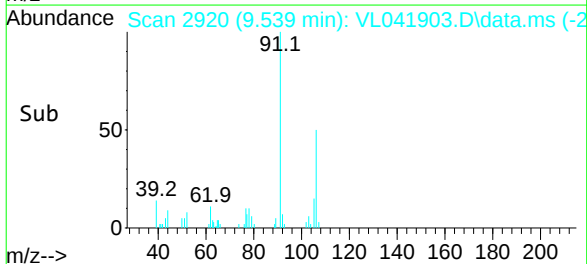
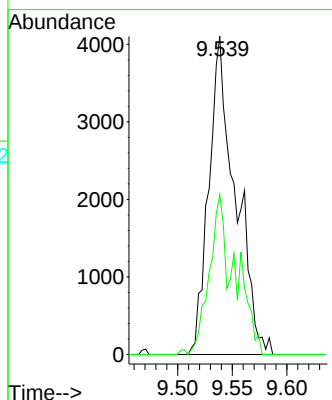
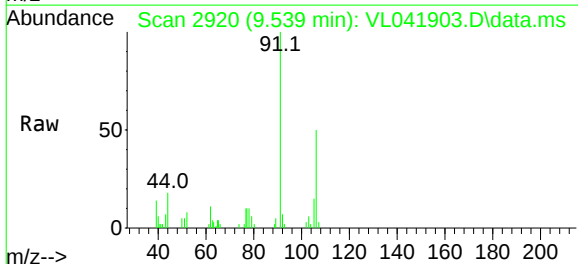
#59
m/p-Xylene
Concen: 0.166 ppbv m
RT: 9.539 min Scan# 2928
Delta R.T. -0.026 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 91 Resp: 6968
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

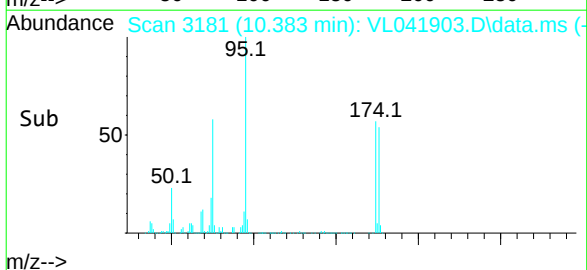
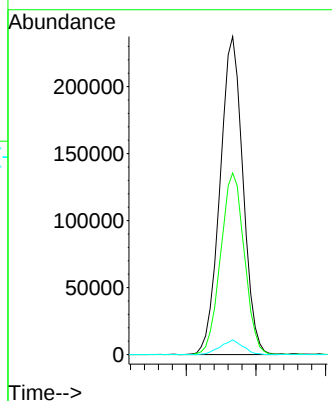
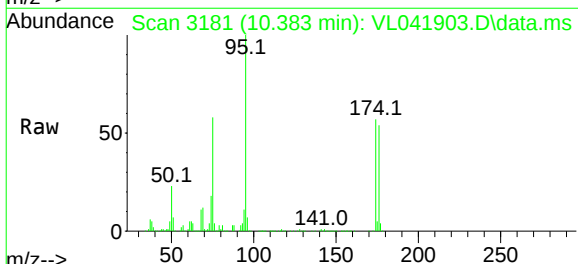
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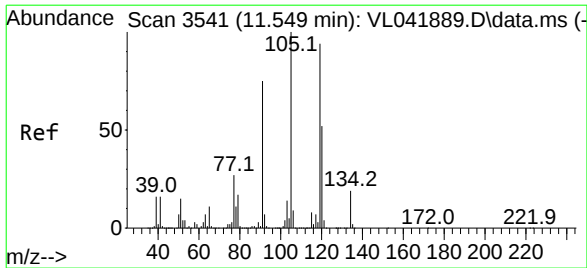
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.301 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.006 min
Lab File: VL041903.D
Acq: 14 Jan 2025 21:47

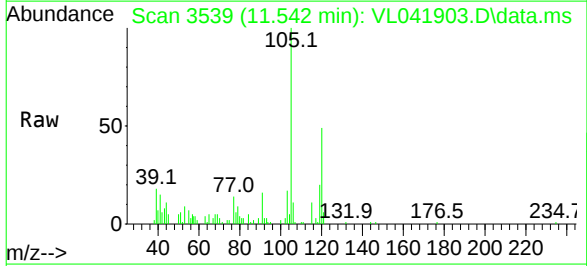
Tgt Ion: 95 Resp: 271840
Ion Ratio Lower Upper
95 100
174 59.0 49.0 73.4
175 4.6 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.143 ppbv
 RT: 11.542 min Scan# 35
 Delta R.T. -0.006 min
 Lab File: VL041903.D
 Acq: 14 Jan 2025 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion:	105	Resp:	6823
Ion Ratio	Lower	Upper	
105	100		
120	49.1	41.4	62.2
91	15.7	60.2	90.2#
77	14.0	22.0	33.0#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

