

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041904.D
 Acq On : 14 Jan 2025 22:21
 Operator : SY/MD
 Sample : Q1073-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

Manual Integrations
 APPROVED

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

Quant Time: Jan 15 03:28:42 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	138247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398753	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	345260	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	273151	10.045	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	6958	0.370	ppbv	92
4) Chloromethane	1.534	50	3674	0.519	ppbv	100
9) Propene	1.489	41	6595m	0.812	ppbv	
10) Heptane	4.998	43	46281m	2.131	ppbv	
11) Trichlorofluoromethane	1.881	101	5036	0.257	ppbv	93
13) Ethanol	1.725	45	60176	101.095	ppbv	91
15) Acetone	1.839	43	281485	16.952	ppbv	94
19) Isopropyl Alcohol	1.890	45	39461	4.008	ppbv #	1
20) Methylene Chloride	2.065	84	2919	0.445	ppbv	95
26) Hexane	2.832	57	104107	5.879	ppbv #	35
29) Chloroform	2.858	83	8588	0.307	ppbv #	76
30) Cyclohexane	3.862	84	7006m	0.456	ppbv	
34) 2-Butanone	2.560	43	921004	36.319	ppbv	100
35) Carbon Tetrachloride	3.777	117	1702m	0.068	ppbv	
36) Benzene	3.664	78	11748	0.321	ppbv #	92
51) 2-Hexanone	7.457	43	20588	0.774	ppbv #	100
52) Tetrachloroethene	8.231	164	1714m	0.135	ppbv	
53) Toluene	6.946	91	255572	6.415	ppbv	99
59) m/p-Xylene	9.542	91	7856m	0.182	ppbv	

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

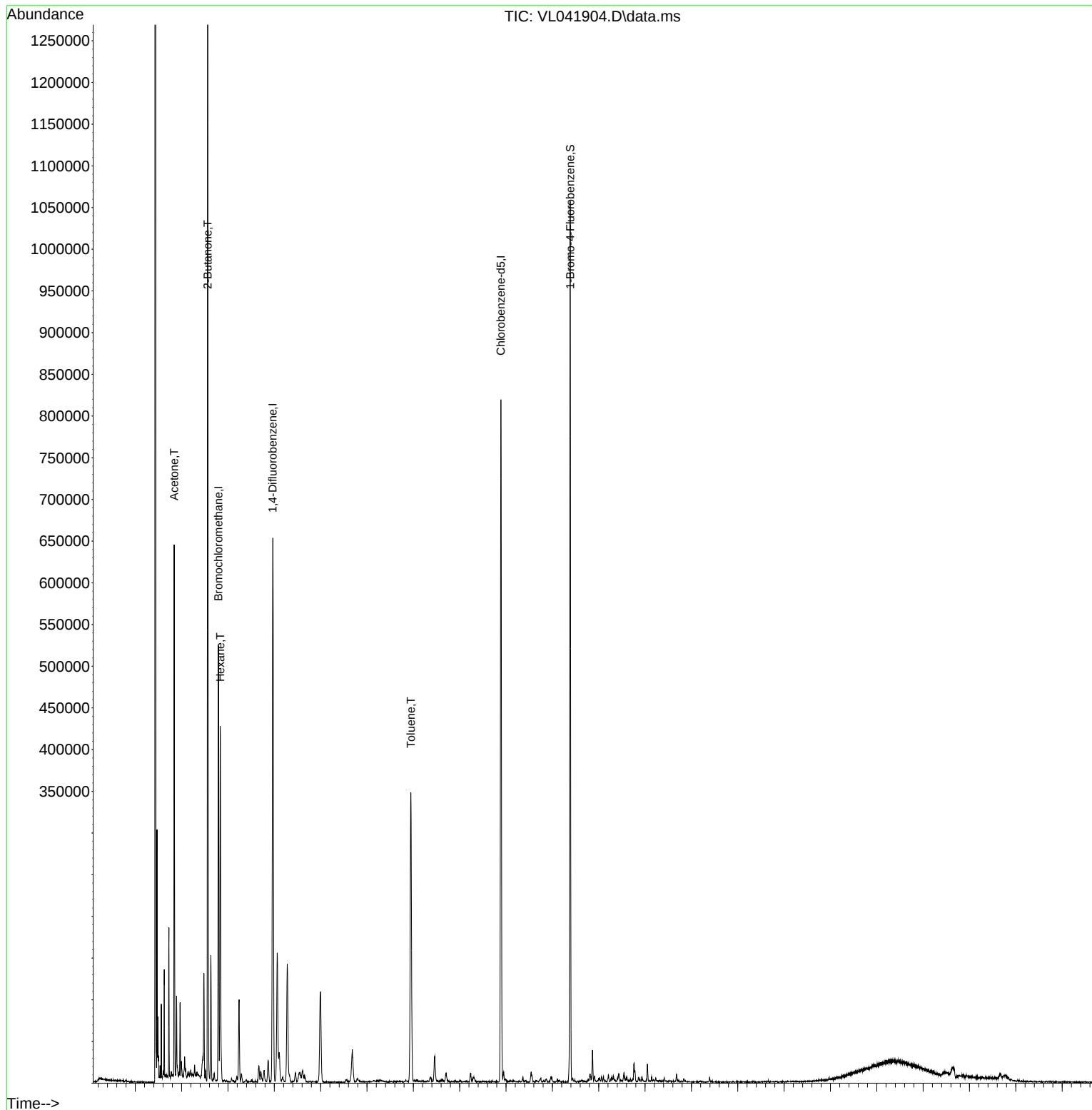
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Data File : VL041904.D
Acq On : 14 Jan 2025 22:21
Operator : SY/MD
Sample : Q1073-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

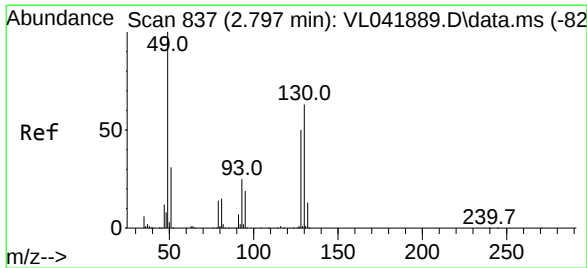
Instrument :
MSVOA_L
ClientSampleId :
IA3

Quant Time: Jan 15 03:28:42 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

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Supervised By : Mahesh Dadoda 01/15/2025





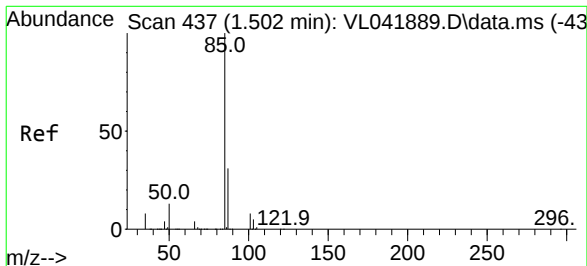
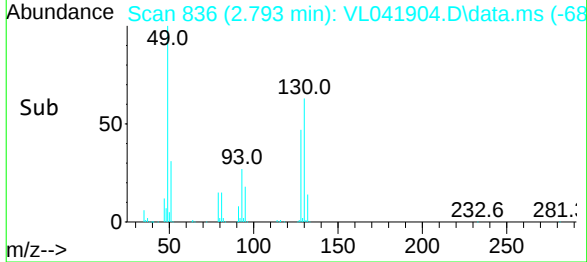
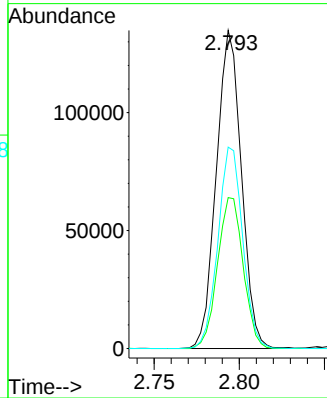
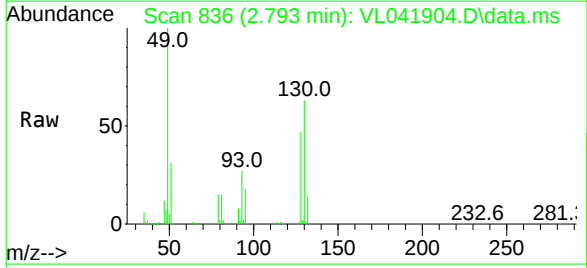
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 837
Delta R.T. -0.004 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 49 Resp: 138247
Ion Ratio Lower Upper
49 100
128 48.4 24.3 73.0
130 62.6 31.1 93.2

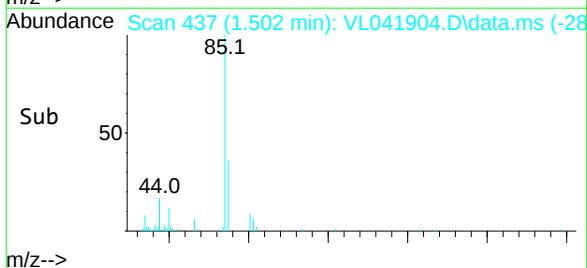
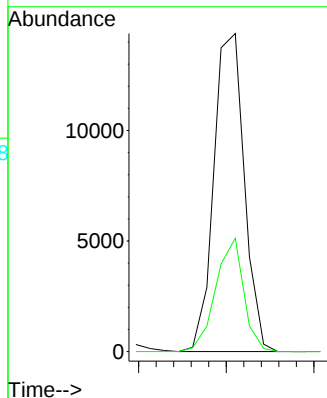
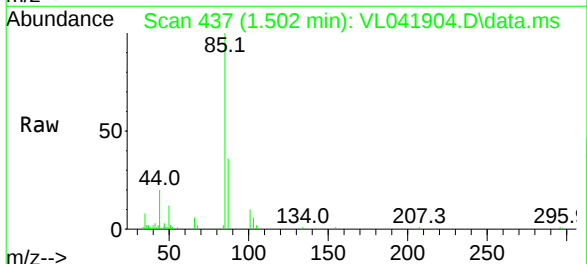
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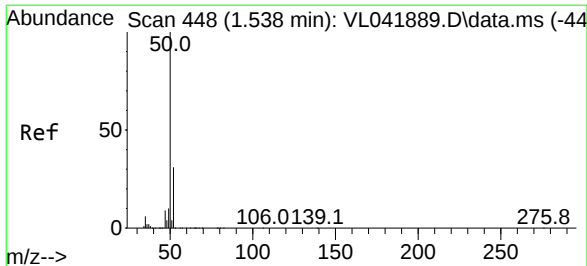
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 0.370 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Tgt Ion: 85 Resp: 6958
Ion Ratio Lower Upper
85 100
87 35.6 24.9 37.3





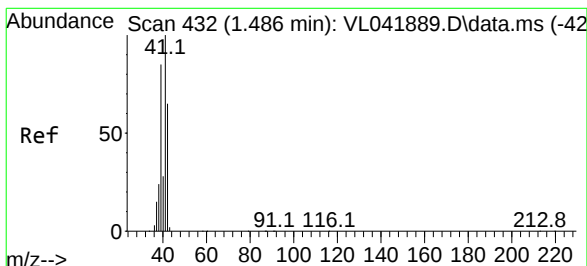
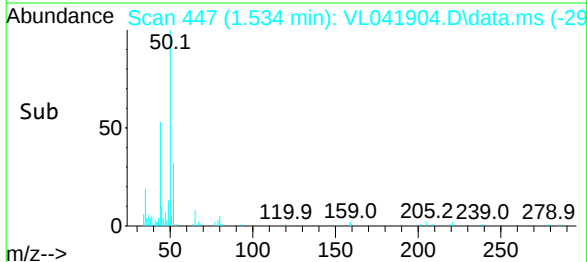
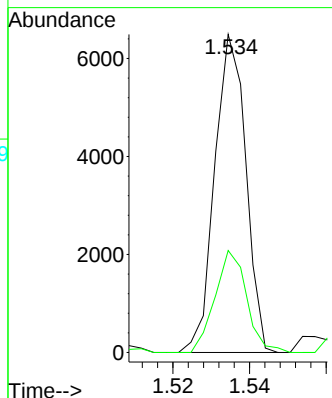
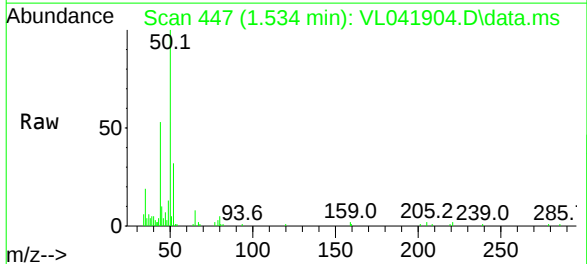
#4
Chloromethane
Concen: 0.519 ppbv
RT: 1.534 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 50 Resp: 3674
Ion Ratio Lower Upper
50 100
52 30.6 24.6 36.8

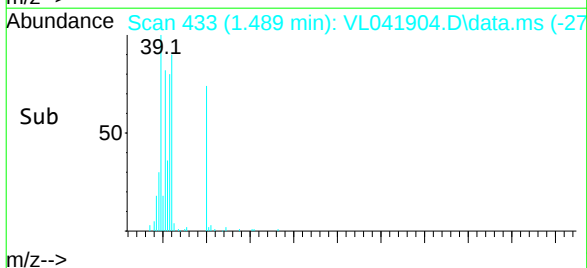
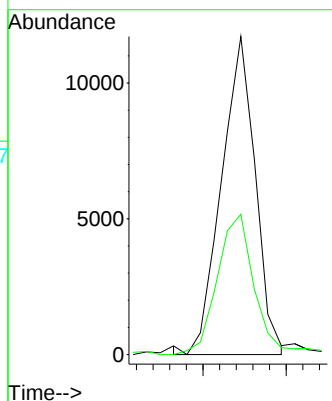
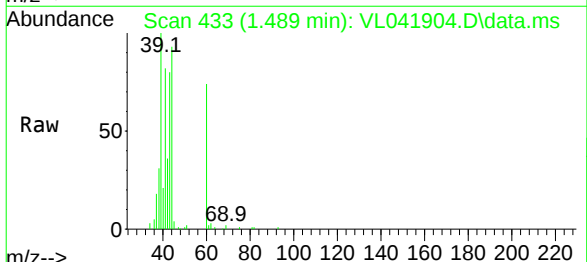
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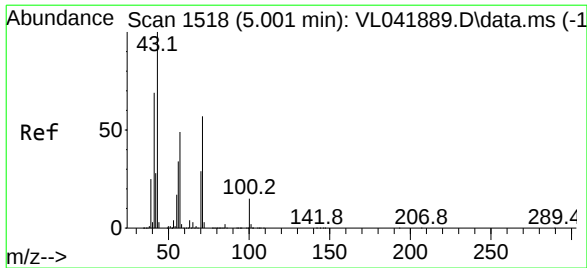
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#9
Propene
Concen: 0.812 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Tgt Ion: 41 Resp: 6595
Ion Ratio Lower Upper
41 100
42 39.3 52.0 78.0#





#10

Heptane

Concen: 2.131 ppbv m

RT: 4.998 min Scan# 15

Delta R.T. -0.003 min

Lab File: VL041904.D

Acq: 14 Jan 2025 22:21

Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion: 43 Resp: 46281

Ion Ratio Lower Upper

43 100

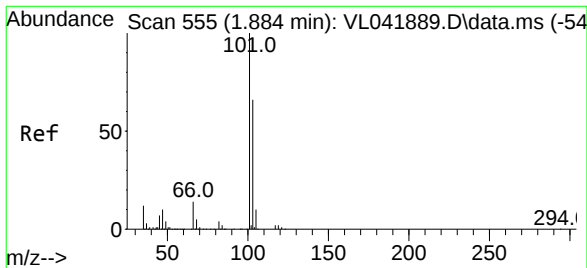
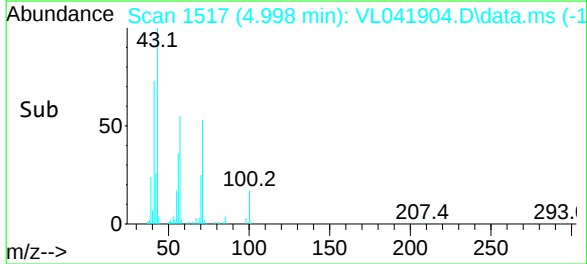
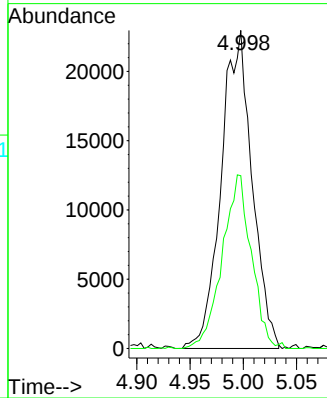
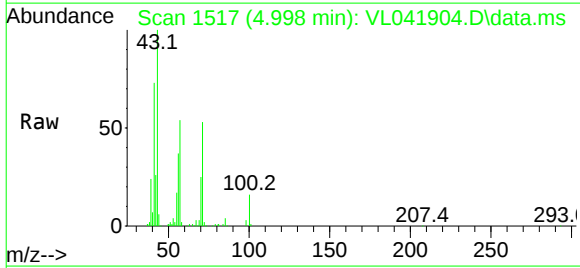
57 51.6 41.0 61.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/15/2025



#11

Trichlorofluoromethane

Concen: 0.257 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.003 min

Lab File: VL041904.D

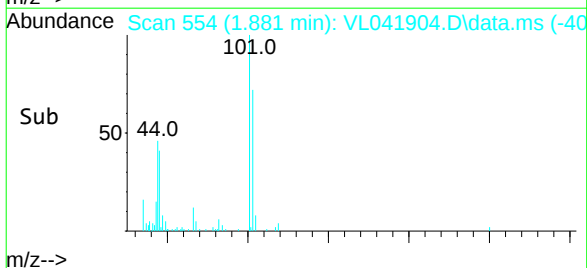
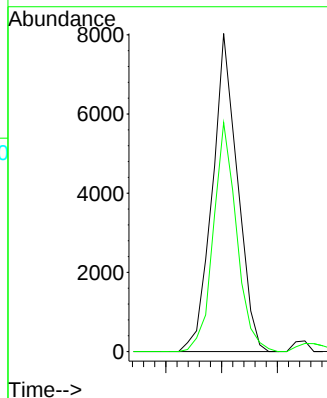
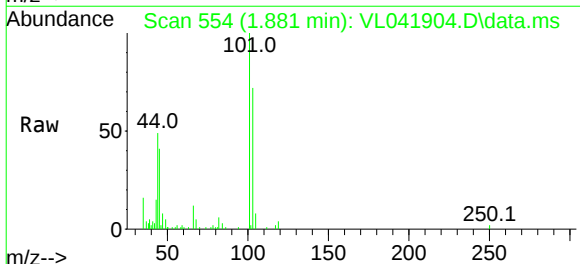
Acq: 14 Jan 2025 22:21

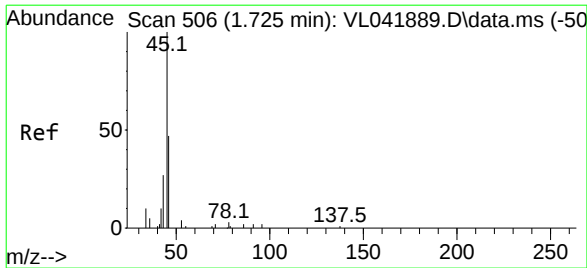
Tgt Ion:101 Resp: 5036

Ion Ratio Lower Upper

101 100

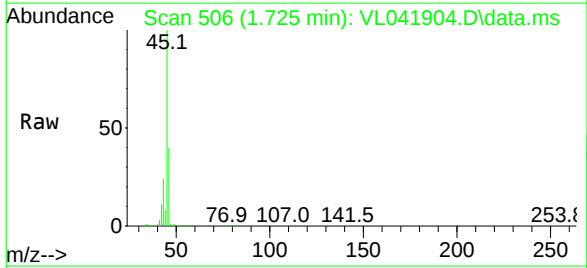
103 72.0 53.1 79.7





#13
Ethanol
Concen: 101.095 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

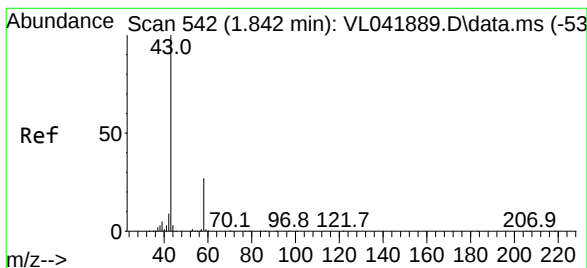
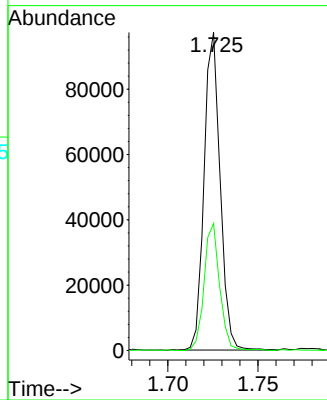
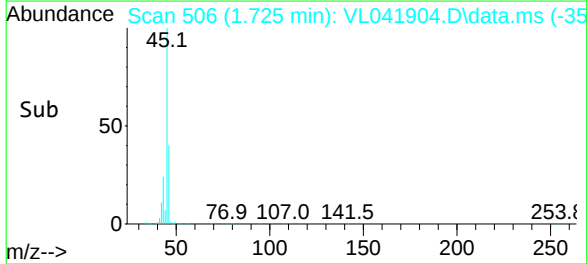
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 45 Resp: 60176
Ion Ratio Lower Upper
45 100
46 39.4 18.1 72.5

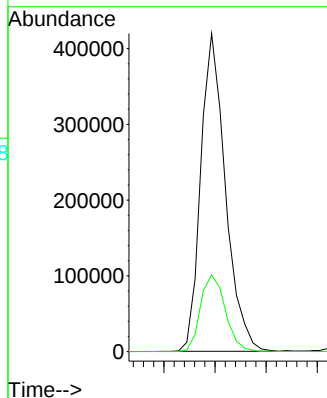
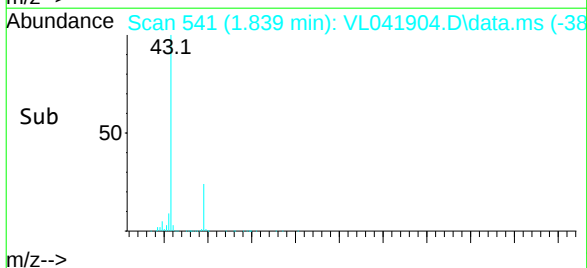
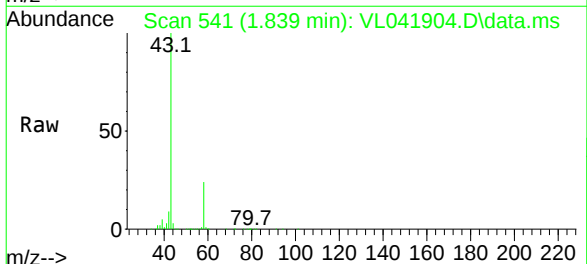
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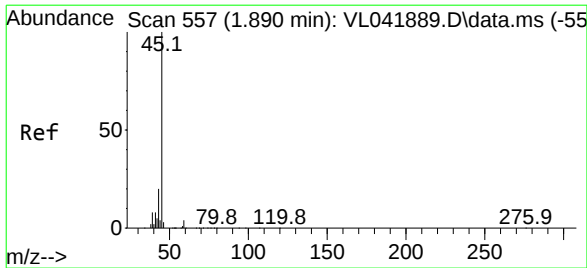
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#15
Acetone
Concen: 16.952 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Tgt Ion: 43 Resp: 281485
Ion Ratio Lower Upper
43 100
58 24.3 21.9 32.9





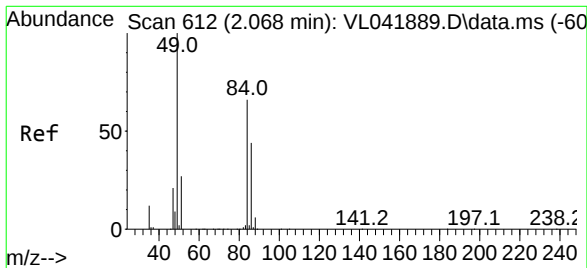
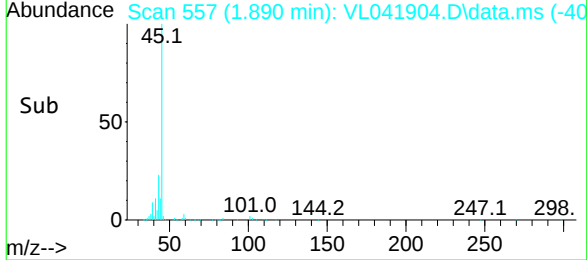
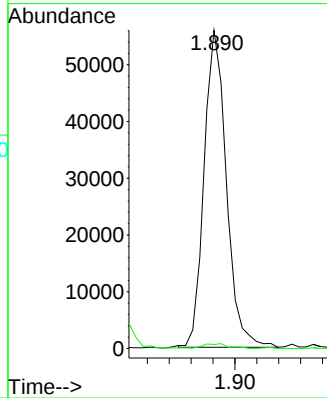
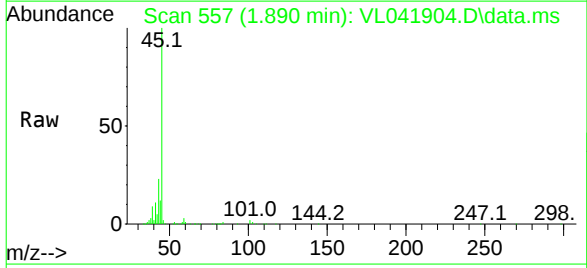
#19
Isopropyl Alcohol
Concen: 4.008 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 45 Resp: 39461
Ion Ratio Lower Upper
45 100
58 173.4 35.0 52.6#

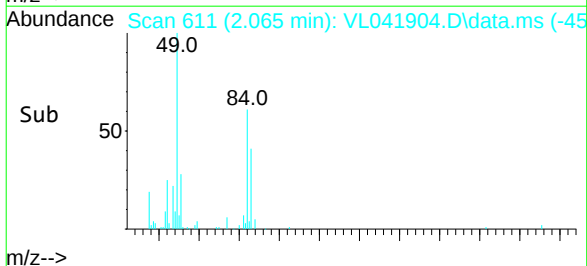
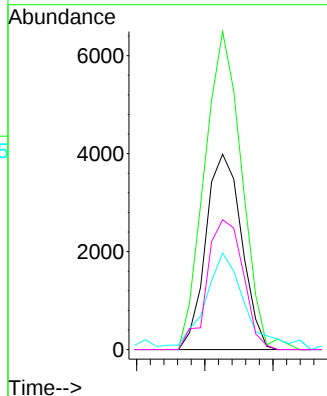
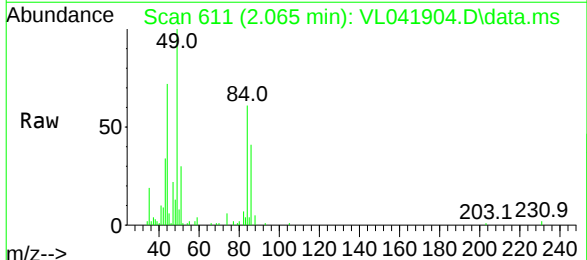
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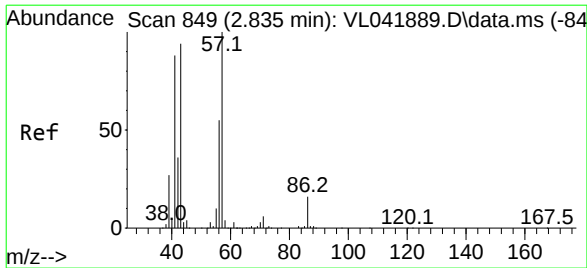
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#20
Methylene Chloride
Concen: 0.445 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

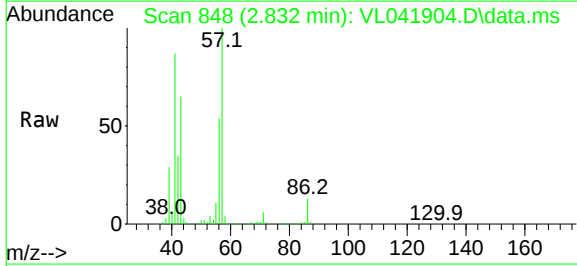
Tgt Ion: 84 Resp: 2919
Ion Ratio Lower Upper
84 100
49 162.8 123.1 184.7
51 47.1 35.8 53.8
86 66.4 53.7 80.5





#26
Hexane
Concen: 5.879 ppbv
RT: 2.832 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

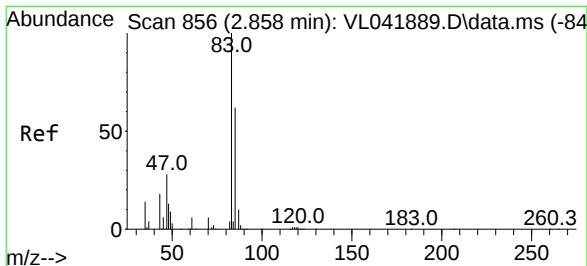
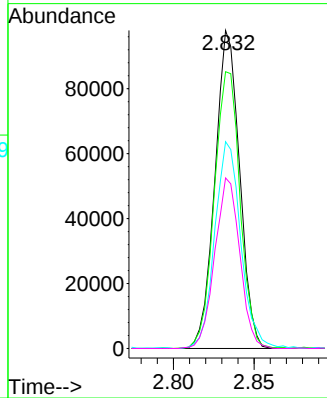
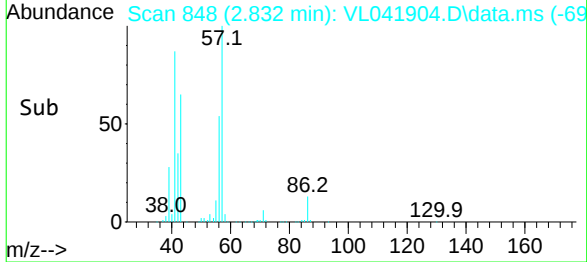
Instrument : MSVOA_L
ClientSampleId : IA3



Tgt Ion: 57 Resp: 104107
Ion Ratio Lower Upper
57 100
41 91.3 73.8 110.8
43 68.9 197.3 295.9#
56 54.6 42.7 64.1

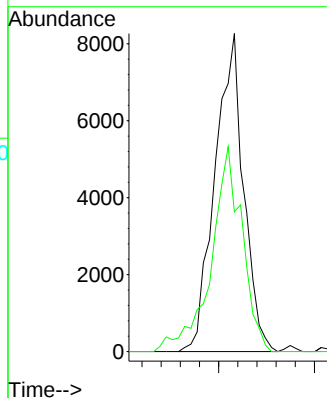
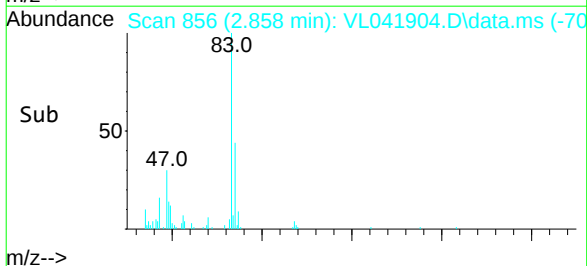
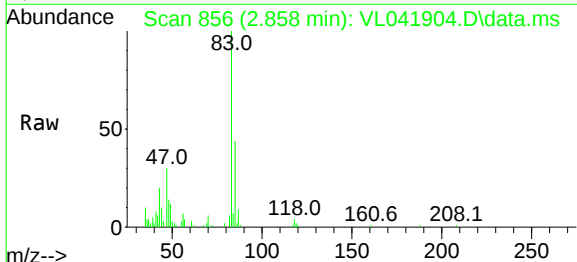
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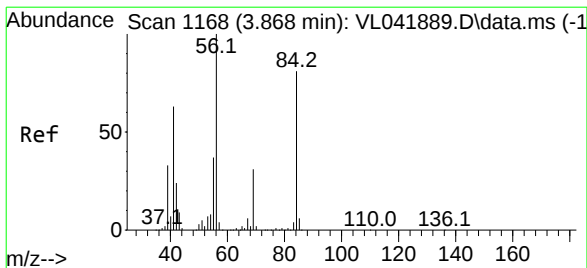
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#29
Chloroform
Concen: 0.307 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.000 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Tgt Ion: 83 Resp: 8588
Ion Ratio Lower Upper
83 100
85 43.9 50.1 75.1#





#30

Cyclohexane

Concen: 0.456 ppbv m

RT: 3.862 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041904.D

Acq: 14 Jan 2025 22:21

Instrument :

MSVOA_L

ClientSampleId :

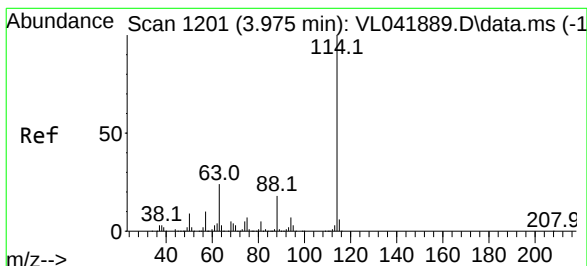
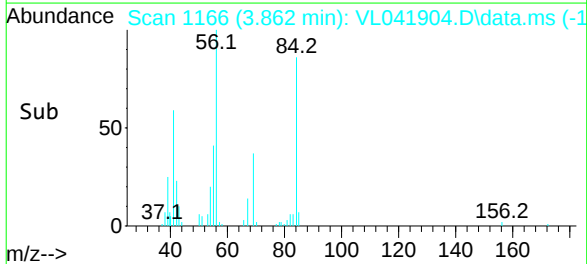
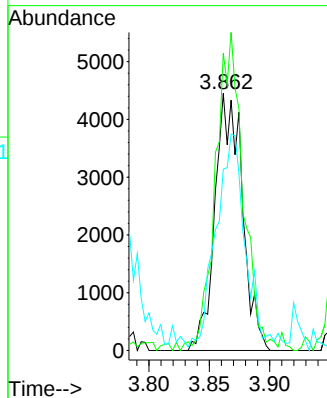
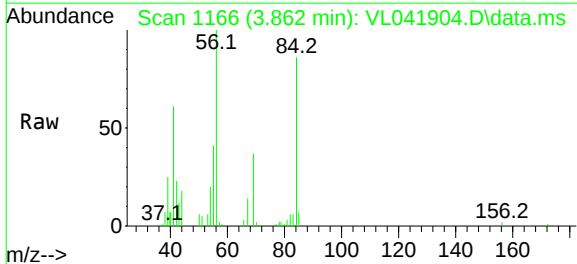
IA3

Tgt Ion:	84	Resp:	7006
Ion	Ratio	Lower	Upper
84	100		
56	125.6	99.3	148.9
41	84.5	64.3	96.5

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

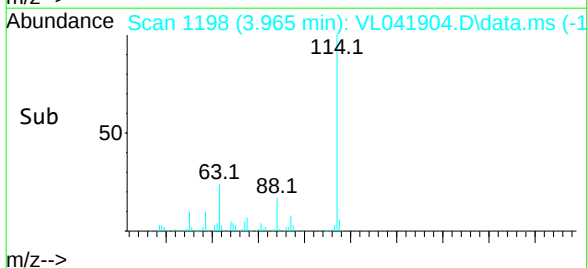
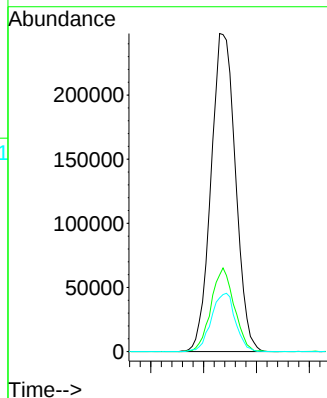
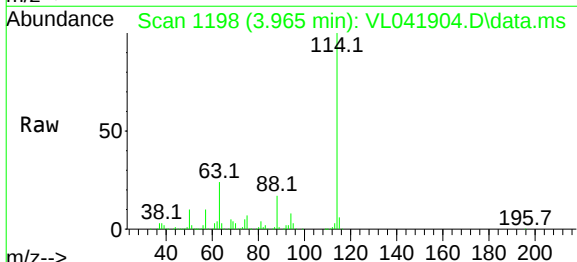
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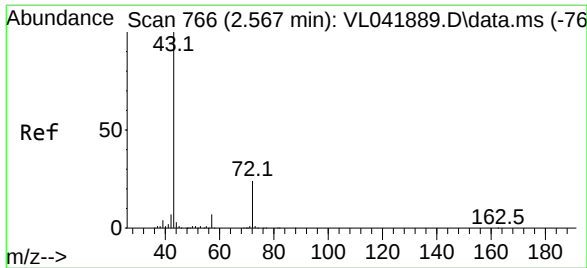
Delta R.T. -0.010 min

Lab File: VL041904.D

Acq: 14 Jan 2025 22:21

Tgt Ion:	114	Resp:	398753
Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.6
88	18.0	14.4	21.6





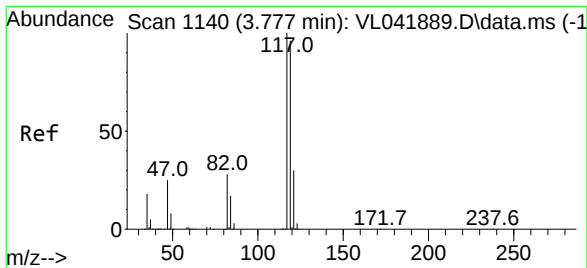
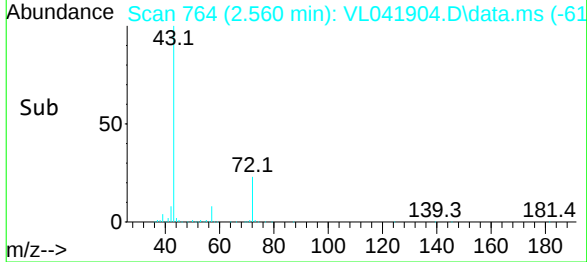
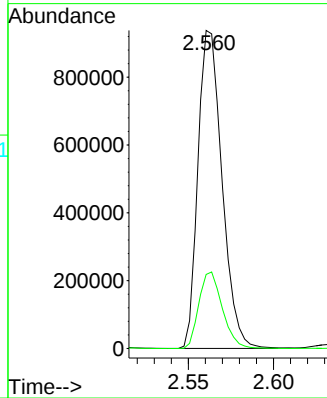
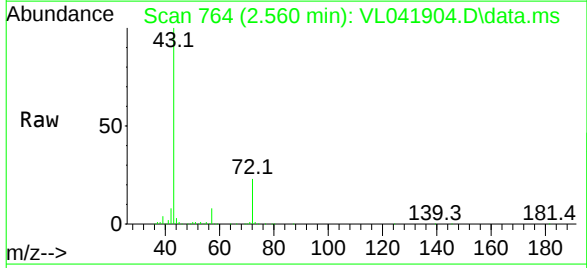
#34
2-Butanone
Concen: 36.319 ppbv
RT: 2.560 min Scan# 766
Delta R.T. -0.006 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 43 Resp: 921004
Ion Ratio Lower Upper
43 100
72 23.5 18.6 28.0

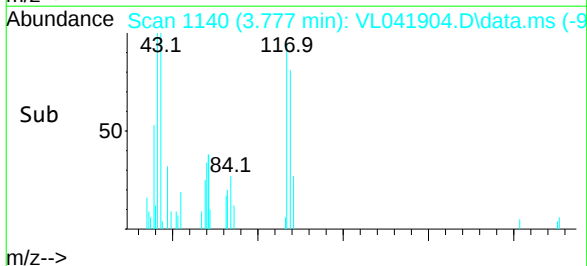
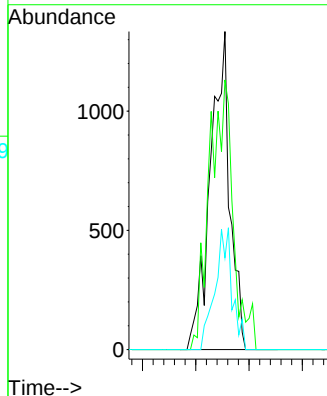
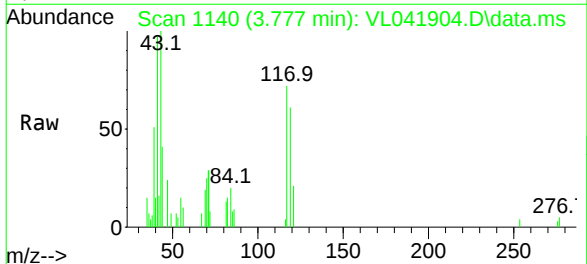
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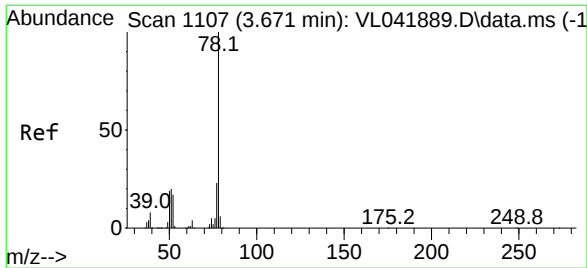
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

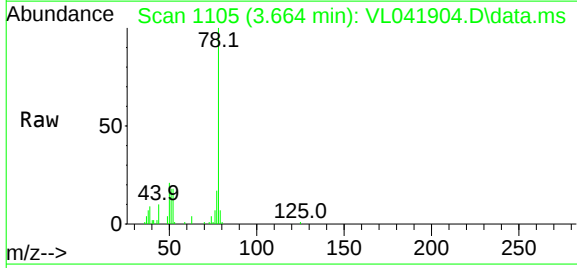
Tgt Ion:117 Resp: 1702
Ion Ratio Lower Upper
117 100
119 84.8 76.9 115.3
121 28.9 23.8 35.6





#36
Benzene
Concen: 0.321 ppbv
RT: 3.664 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21

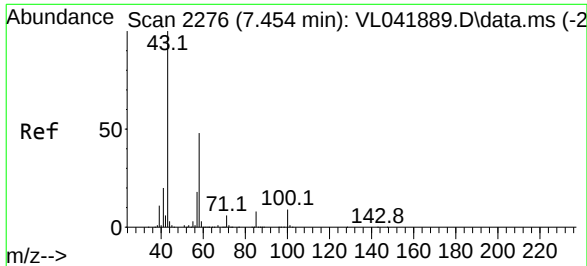
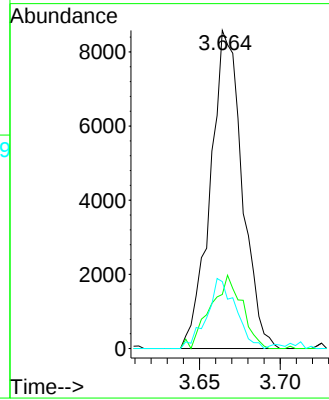
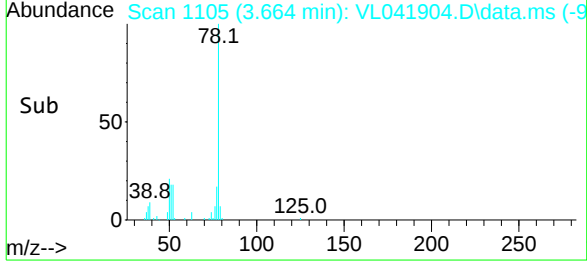
Instrument : MSVOA_L
ClientSampleId : IA3



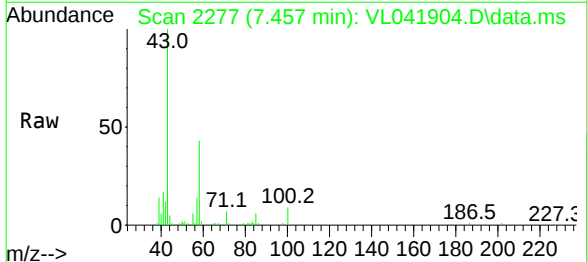
Tgt Ion: 78 Resp: 11748
Ion Ratio Lower Upper
78 100
77 17.0 18.1 27.1#
50 21.0 15.2 22.8

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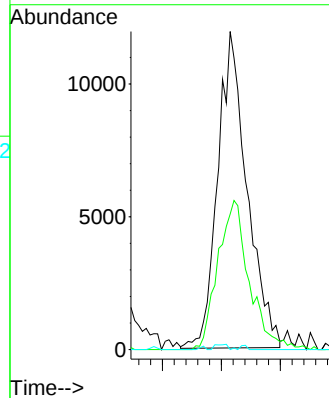
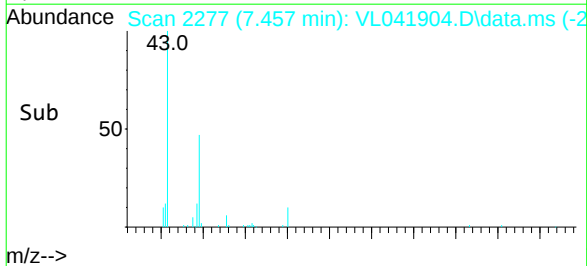
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

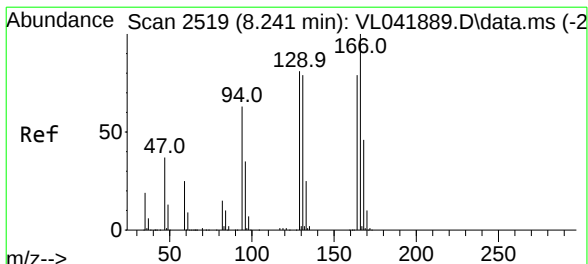


#51
2-Hexanone
Concen: 0.774 ppbv
RT: 7.457 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VL041904.D
Acq: 14 Jan 2025 22:21



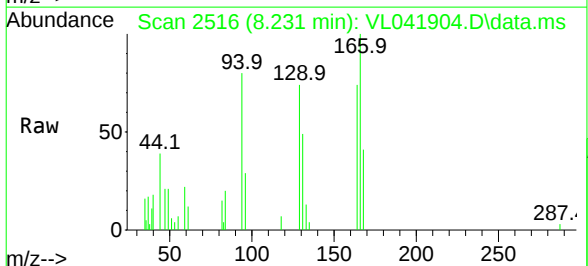
Tgt Ion: 43 Resp: 20588
Ion Ratio Lower Upper
43 100
58 50.6 40.4 60.6
98 1.2 0.2 0.2#





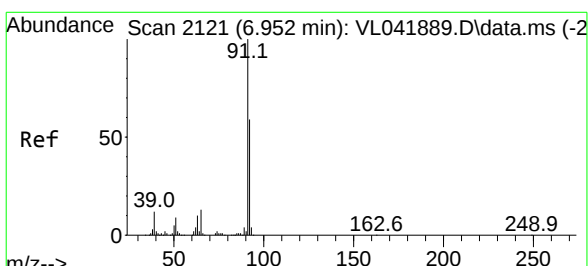
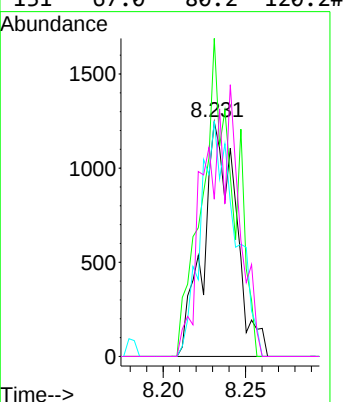
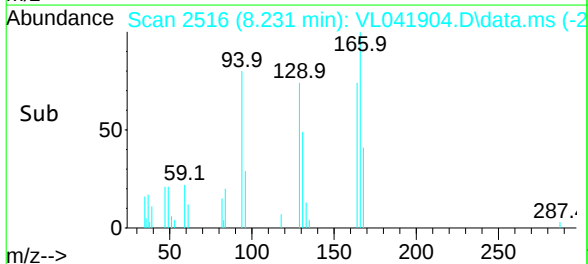
#52
Tetrachloroethene
 Concen: 0.135 ppbv m
 RT: 8.231 min Scan# 2519
 Delta R.T. -0.010 min
 Lab File: VL041904.D
 Acq: 14 Jan 2025 22:21

Instrument : MSVOA_L
ClientSampleId : IA3

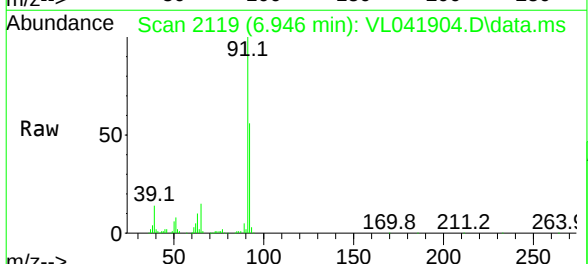


Tgt Ion:	164	Resp:	1714
Ion	Ratio	Lower	Upper
164	100		
166	135.6	100.8	151.2
129	100.4	82.0	123.0
131	67.0	80.2	120.2

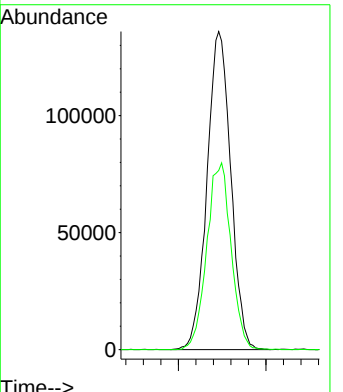
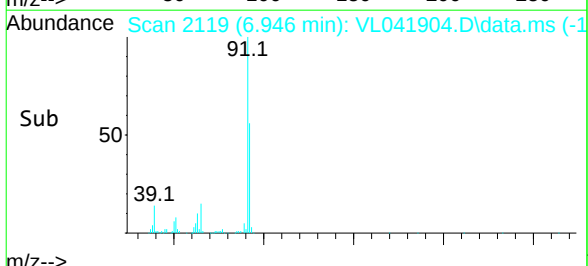
Manual Integrations
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 Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

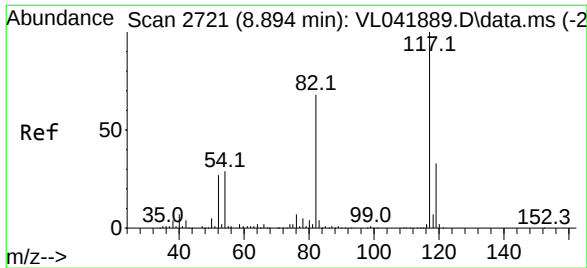


#53
Toluene
 Concen: 6.415 ppbv
 RT: 6.946 min Scan# 2119
 Delta R.T. -0.006 min
 Lab File: VL041904.D
 Acq: 14 Jan 2025 22:21



Tgt Ion:	91	Resp:	255572
Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.4	71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2721

Delta R.T. -0.006 min

Lab File: VL041904.D

Acq: 14 Jan 2025 22:21

Instrument :

MSVOA_L

ClientSampleId :

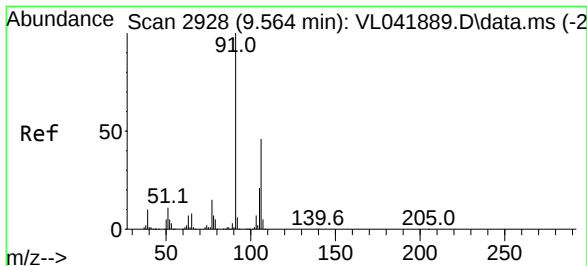
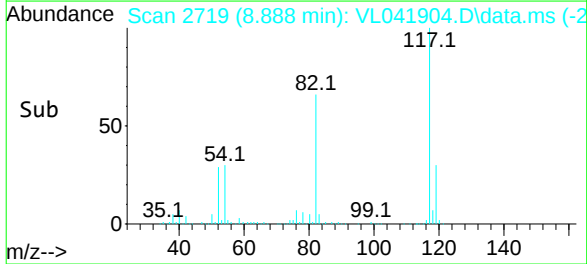
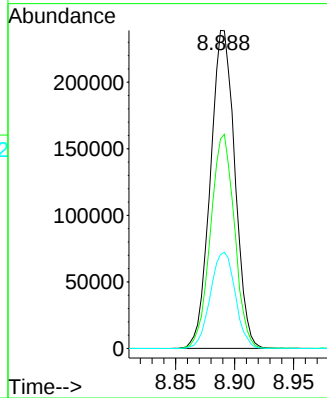
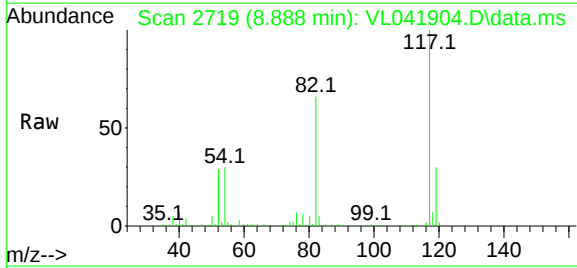
IA3

Tgt Ion:	117	Resp:	345260
Ion	Ratio	Lower	Upper
117	100		
82	65.9	54.2	81.4
119	30.9	25.0	37.6

Manual Integrations

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



#59

m/p-Xylene

Concen: 0.182 ppbv m

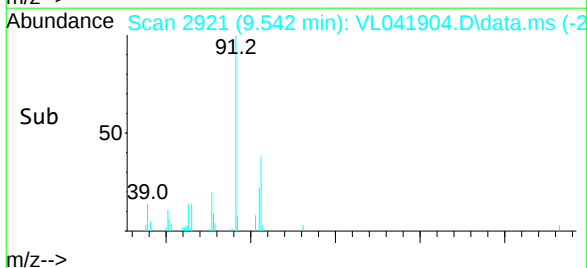
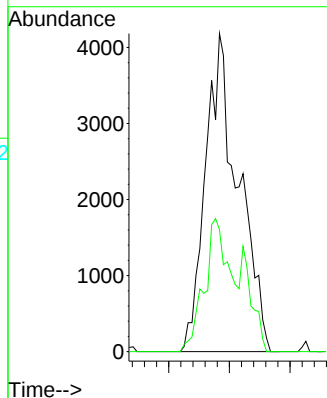
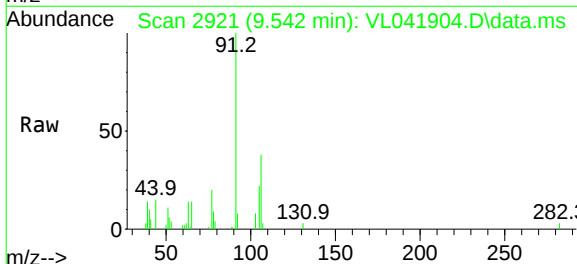
RT: 9.542 min Scan# 2921

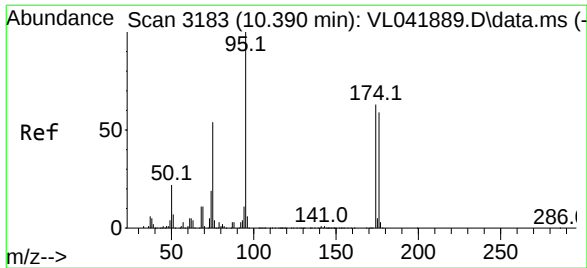
Delta R.T. -0.023 min

Lab File: VL041904.D

Acq: 14 Jan 2025 22:21

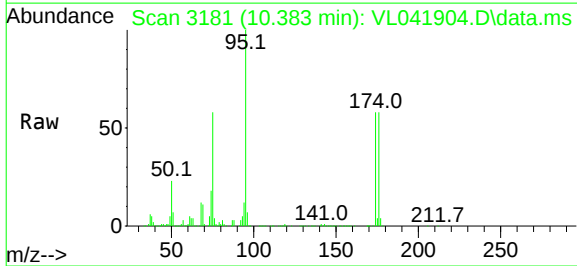
Tgt Ion:	91	Resp:	7856
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.0	54.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.045 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.006 min
 Lab File: VL041904.D
 Acq: 14 Jan 2025 22:21

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3



Tgt Ion:	95	Resp:	273151
Ion	Ratio	Lower	Upper
95	100		
174	59.6	49.0	73.4
175	4.3	3.8	5.8

Manual Integrations
 APPROVED

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

