

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043076.D
 Acq On : 09 Oct 2025 01:28
 Operator : SY/MD
 Sample : Q3320-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:49:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	165718	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	326320	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	232249	9.880	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	14205	0.509	ppbv	99
3) Chlorodifluoromethane	1.473	51	8146m	0.301	ppbv	
4) Chloromethane	1.531	50	5127	0.503	ppbv	91
9) Propene	1.486	41	8443	0.775	ppbv	85
11) Trichlorofluoromethane	1.874	101	7354	0.256	ppbv	89
13) Ethanol	1.719	45	81826	205.996	ppbv	89
15) Acetone	1.832	43	95303	4.107	ppbv	100
19) Isopropyl Alcohol	1.884	45	14967	1.346	ppbv #	1
20) Methylene Chloride	2.059	84	6262	0.618	ppbv #	93
26) Hexane	2.820	57	8260	0.369	ppbv #	37
29) Chloroform	2.842	83	4056m	0.106	ppbv	
34) 2-Butanone	2.557	43	6336	0.222	ppbv	91
35) Carbon Tetrachloride	3.752	117	3019	0.087	ppbv #	84
38) Trichloroethene	4.532	130	774m	0.046	ppbv	
53) Toluene	6.920	91	5681m	0.140	ppbv	

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

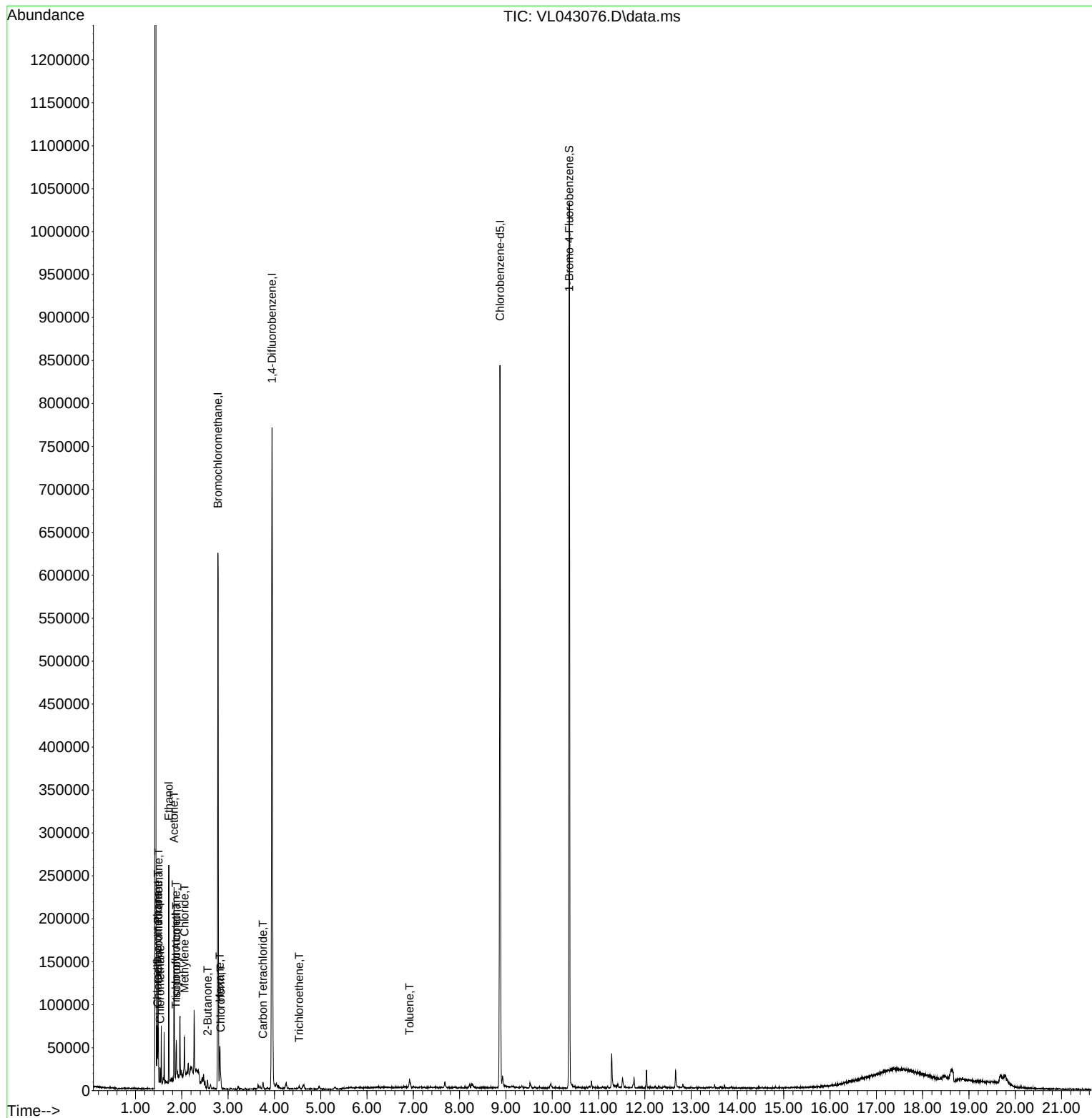
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043076.D
Acq On : 09 Oct 2025 01:28
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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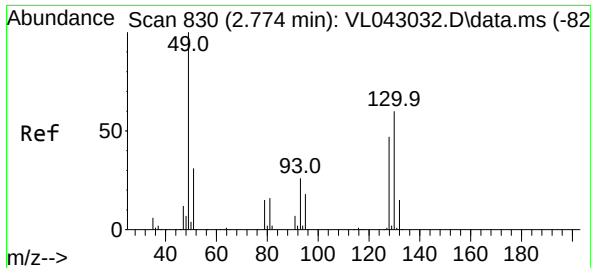
Instrument :
MSVOA_L
ClientSampleId :
IA4

Quant Time: Oct 09 02:49:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Manual Integrations
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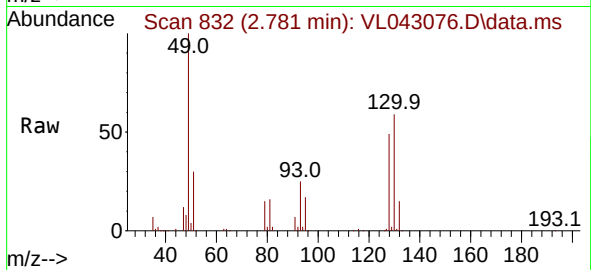
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 830
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

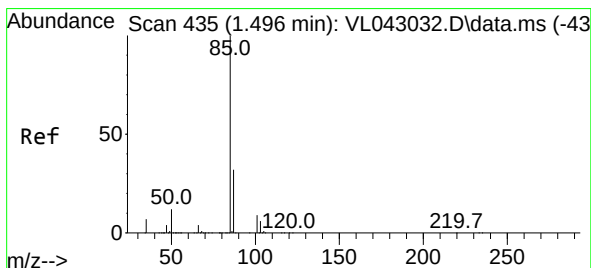
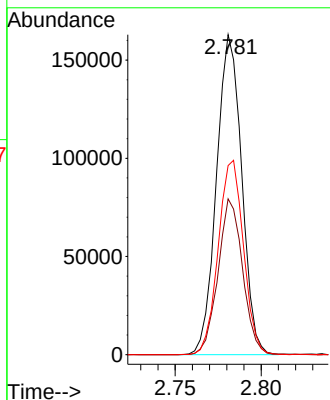
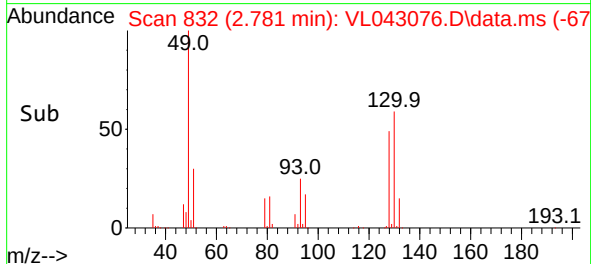
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 49 Resp: 165718
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 61.1 31.4 94.3

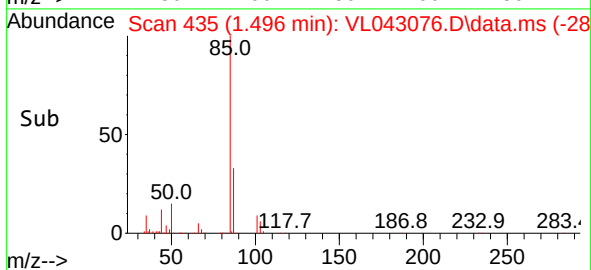
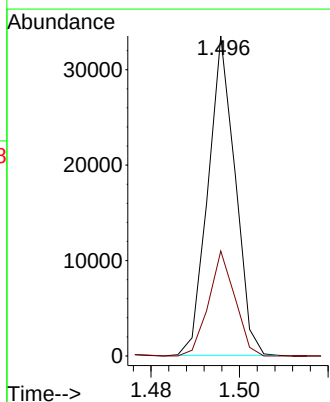
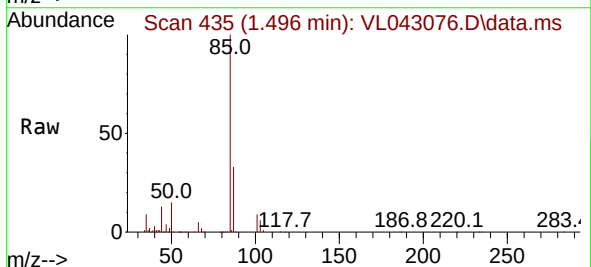
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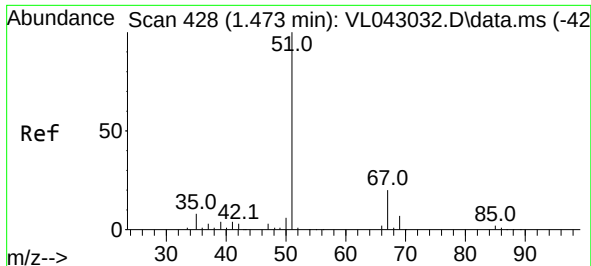
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.509 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Tgt Ion: 85 Resp: 14205
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.301 ppbv m

RT: 1.473 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043076.D

Acq: 09 Oct 2025 01:28

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion: 51 Resp: 814

Ion Ratio Lower Upper

51 100

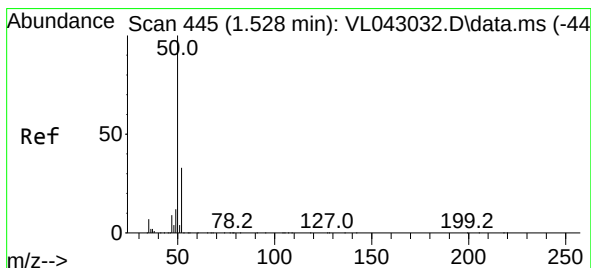
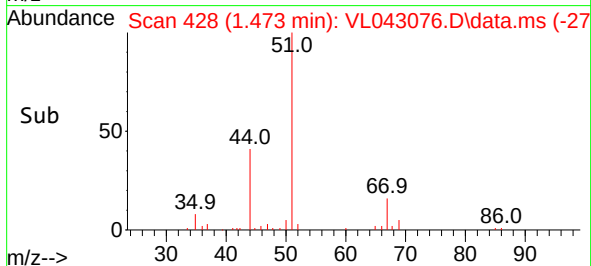
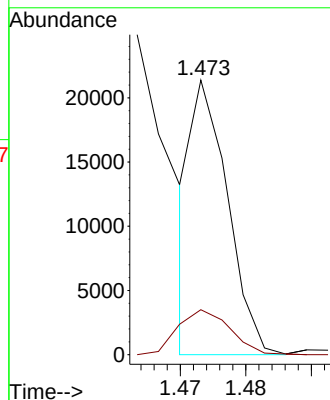
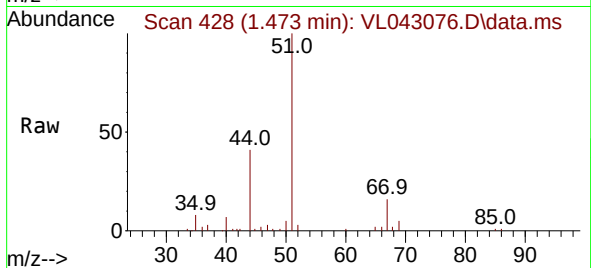
67 23.8 15.1 22.7

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Supervised By :Mahesh Dadoda 10/10/2025



#4

Chloromethane

Concen: 0.503 ppbv

RT: 1.531 min Scan# 446

Delta R.T. 0.003 min

Lab File: VL043076.D

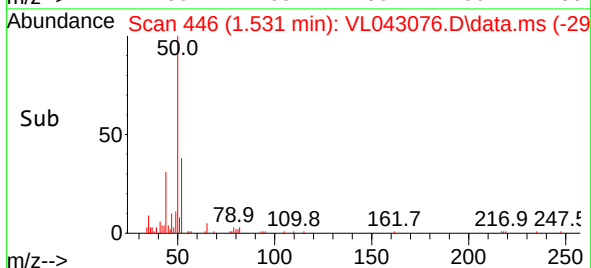
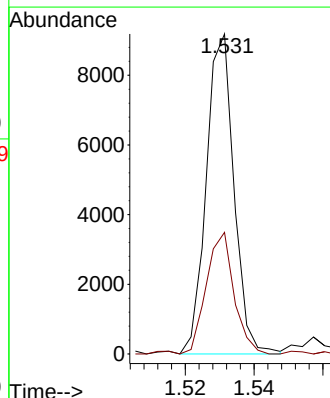
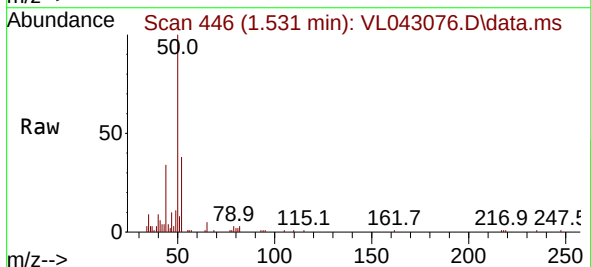
Acq: 09 Oct 2025 01:28

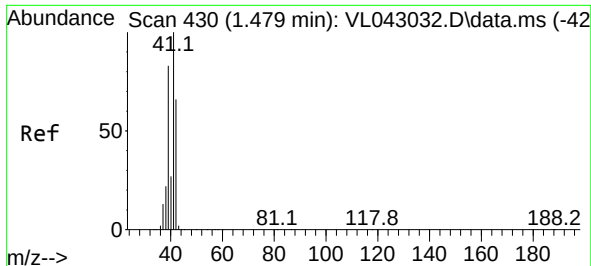
Tgt Ion: 50 Resp: 5127

Ion Ratio Lower Upper

50 100

52 38.0 26.2 39.2





#9

Propene

Concen: 0.775 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL043076.D

Acq: 09 Oct 2025 01:28

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion: 41 Resp: 844

Ion Ratio Lower Upper

41 100

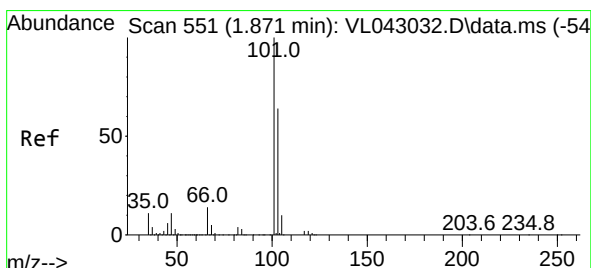
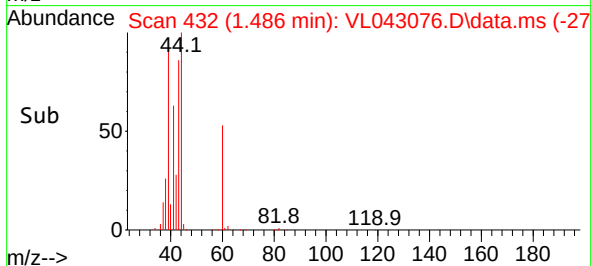
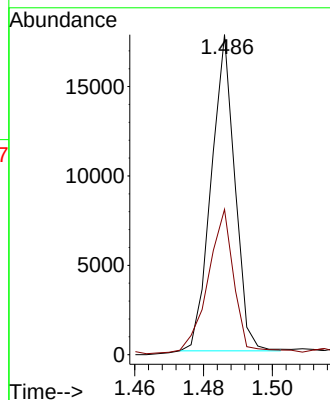
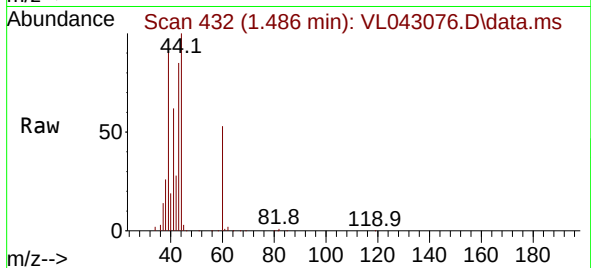
42 54.7 53.3 79.9

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Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#11

Trichlorofluoromethane

Concen: 0.256 ppbv

RT: 1.874 min Scan# 552

Delta R.T. 0.003 min

Lab File: VL043076.D

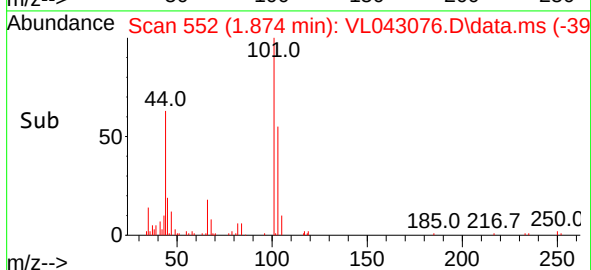
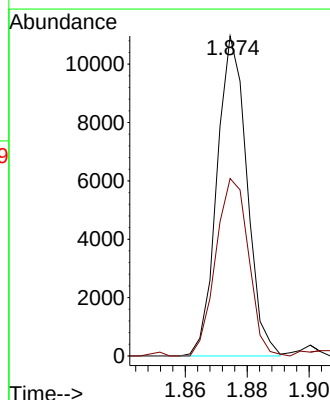
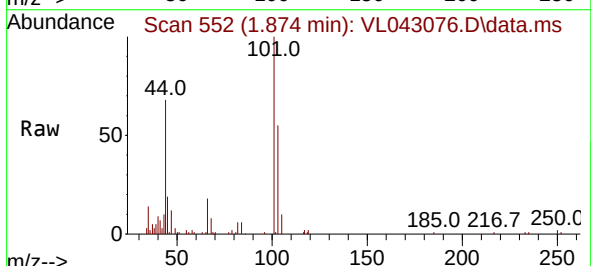
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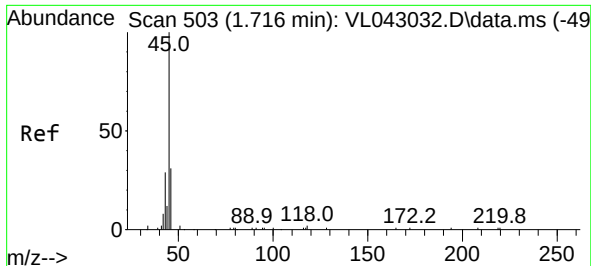
Tgt Ion:101 Resp: 7354

Ion Ratio Lower Upper

101 100

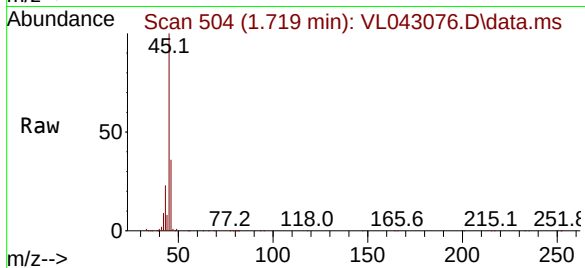
103 55.5 51.1 76.7





#13
Ethanol
Concen: 205.996 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

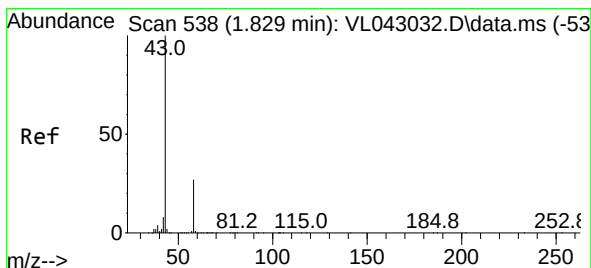
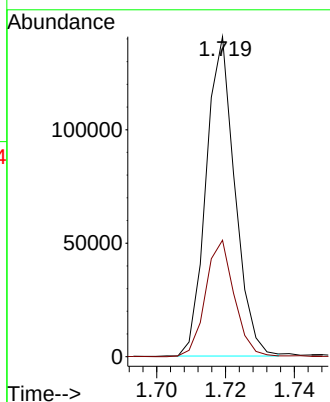
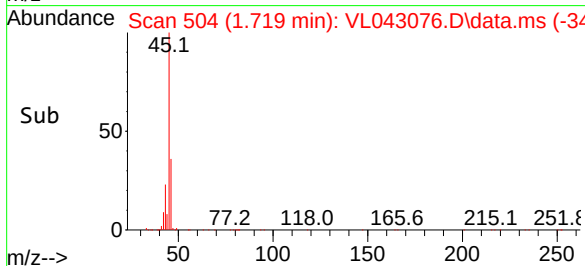
Instrument :
MSVOA_L
ClientSampleId :
IA4



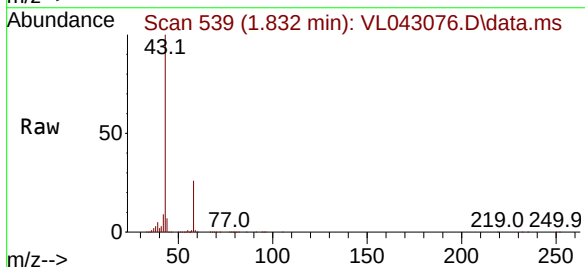
Tgt Ion: 45 Resp: 81820
Ion Ratio Lower Upper
45 100
46 37.4 17.8 71.4

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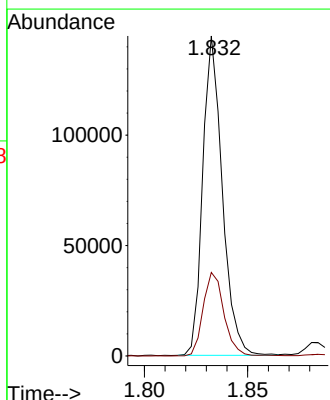
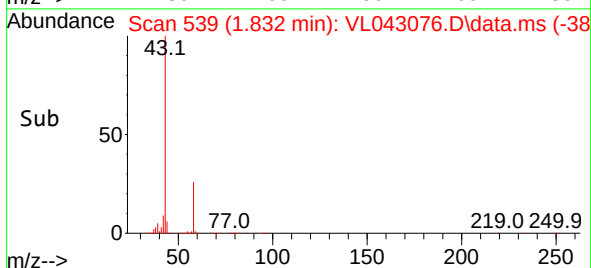
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

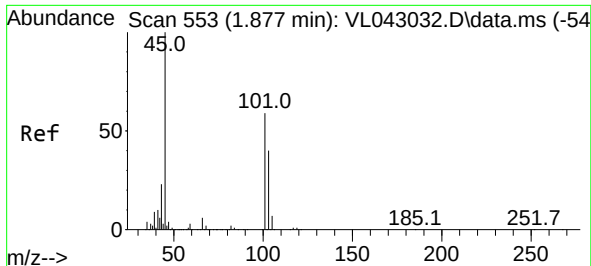


#15
Acetone
Concen: 4.107 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28



Tgt Ion: 43 Resp: 95303
Ion Ratio Lower Upper
43 100
58 27.9 22.2 33.4





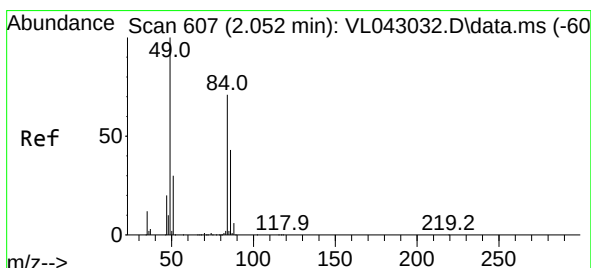
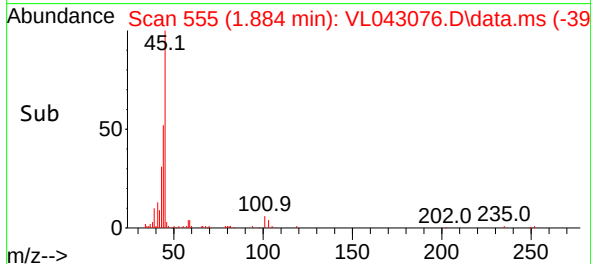
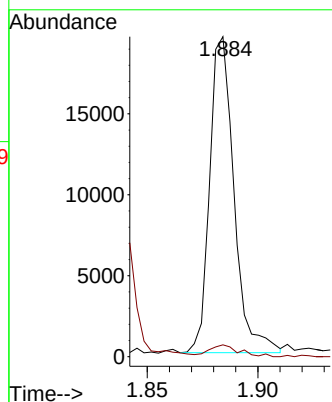
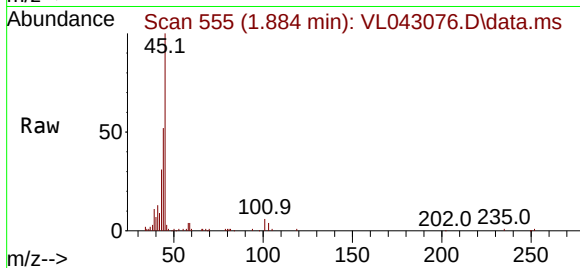
#19
Isopropyl Alcohol
Concen: 1.346 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion: 45 Resp: 1496
Ion Ratio Lower Upper
45 100
58 177.9 42.3 63.5

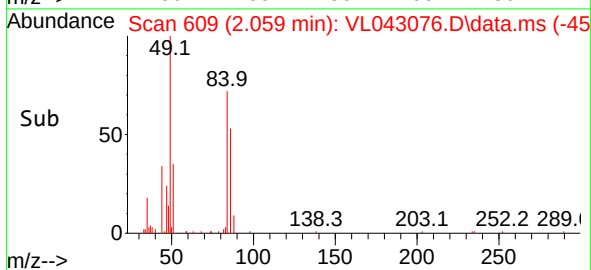
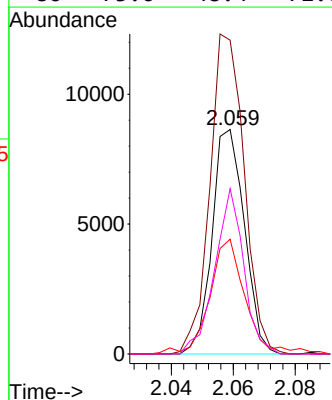
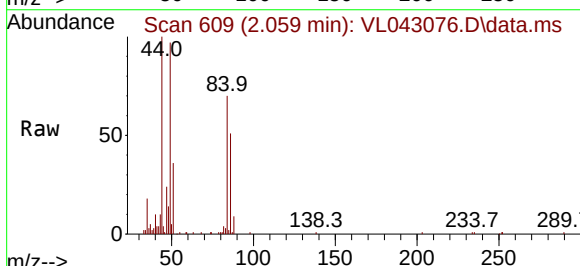
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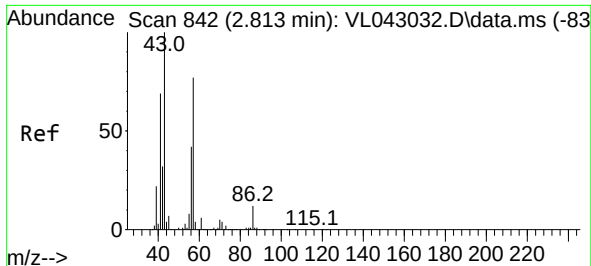
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.618 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

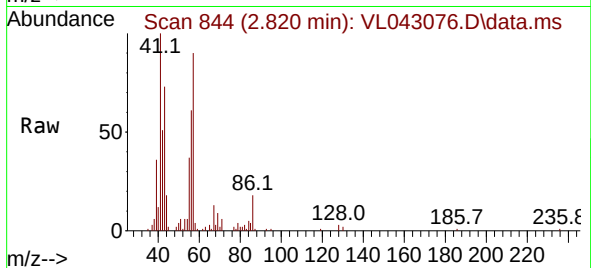
Tgt Ion: 84 Resp: 6262
Ion Ratio Lower Upper
84 100
49 138.7 112.5 168.7
51 49.9 34.2 51.2
86 73.6 48.4 72.6





#26
Hexane
Concen: 0.369 ppbv
RT: 2.820 min Scan# 842
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

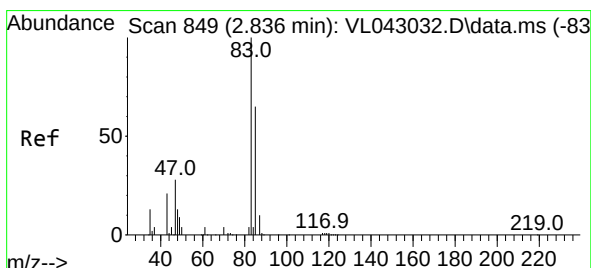
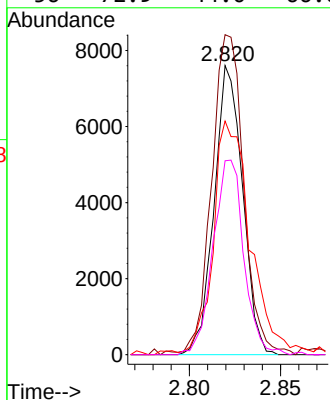
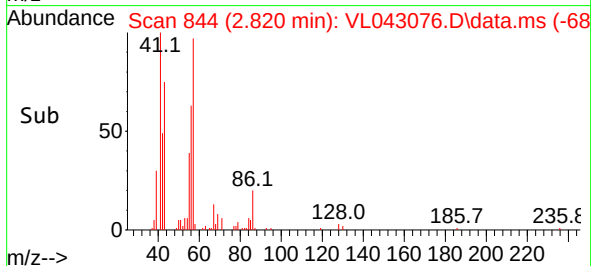
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 57 Resp: 8260
Ion Ratio Lower Upper
57 100
41 128.9 76.1 114.1
43 108.5 201.4 302.0
56 72.9 44.0 66.0

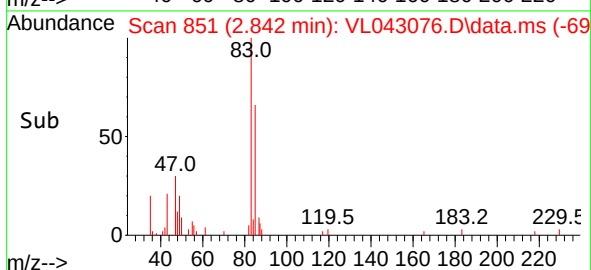
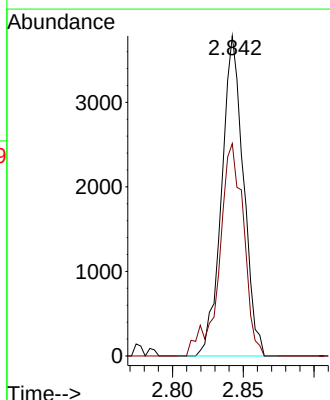
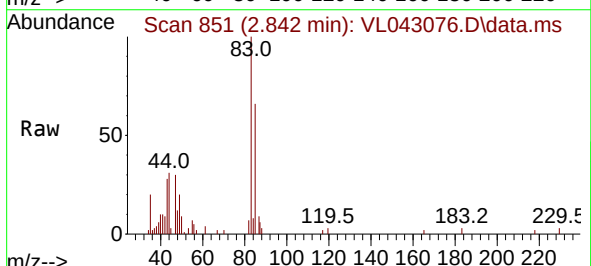
Manual Integrations
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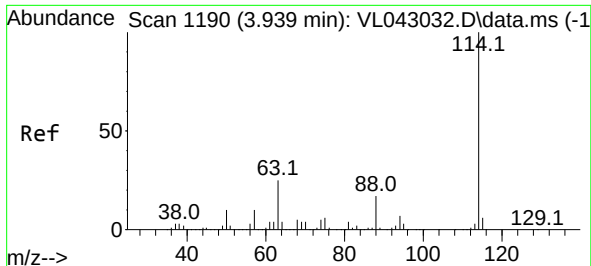
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#29
Chloroform
Concen: 0.106 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

Tgt Ion: 83 Resp: 4056
Ion Ratio Lower Upper
83 100
85 66.3 52.0 78.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1190

Delta R.T. 0.010 min

Lab File: VL043076.D

Acq: 09 Oct 2025 01:28

Instrument :

MSVOA_L

ClientSampleId :

IA4

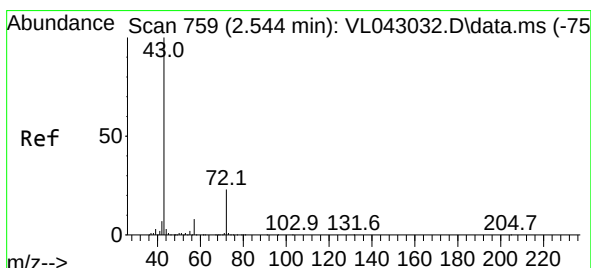
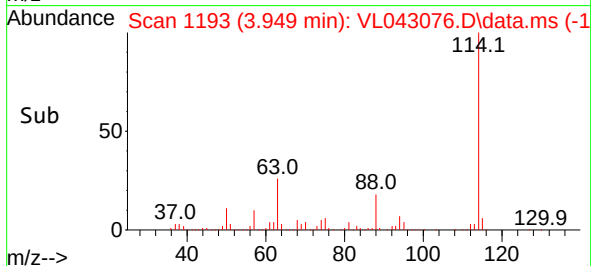
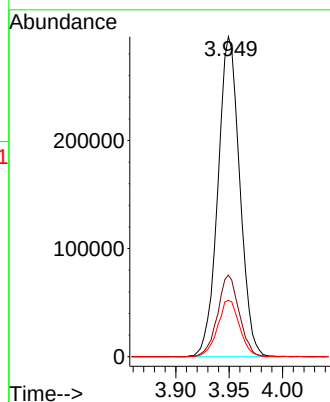
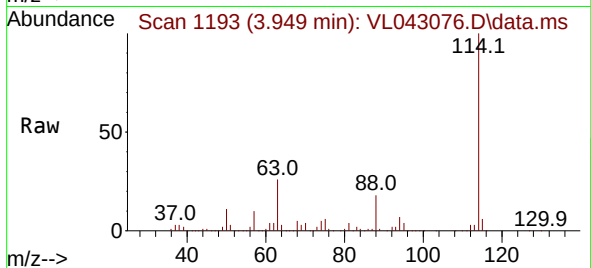
Tgt Ion:114 Resp: 421136

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.4	29.2
88	17.7	13.9	20.9

Manual Integrations

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Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 0.222 ppbv

RT: 2.557 min Scan# 763

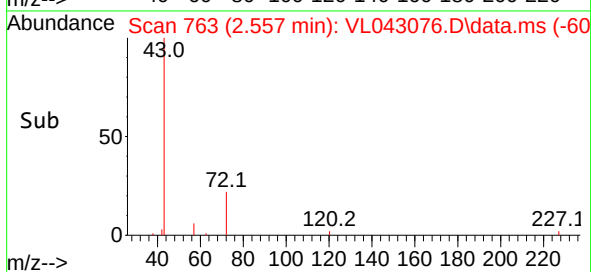
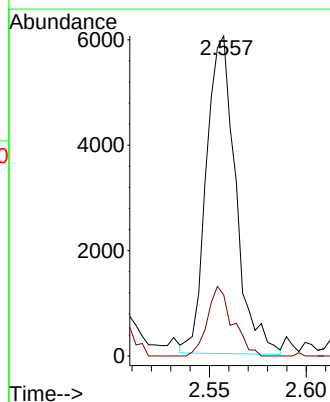
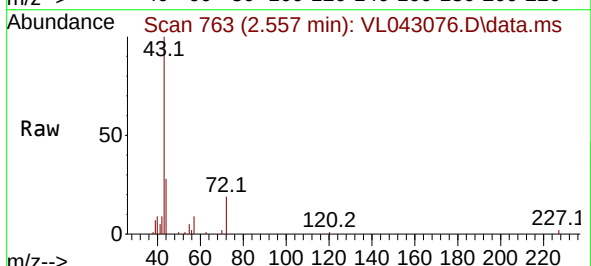
Delta R.T. 0.013 min

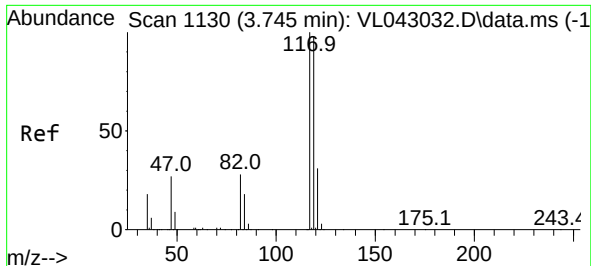
Lab File: VL043076.D

Acq: 09 Oct 2025 01:28

Tgt Ion: 43 Resp: 6336

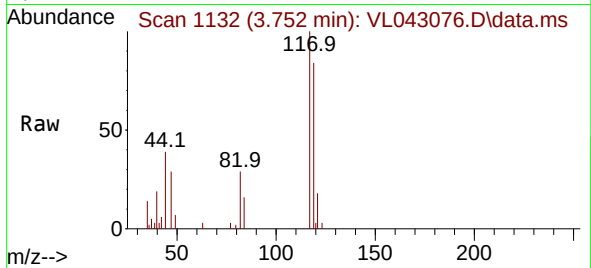
Ion	Ratio	Lower	Upper
43	100		
72	18.8	18.4	27.6





#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.752 min Scan# 1132
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

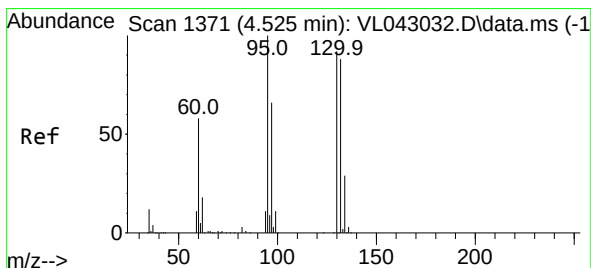
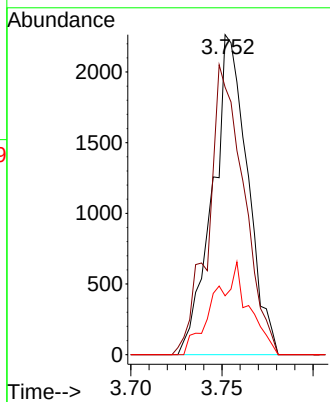
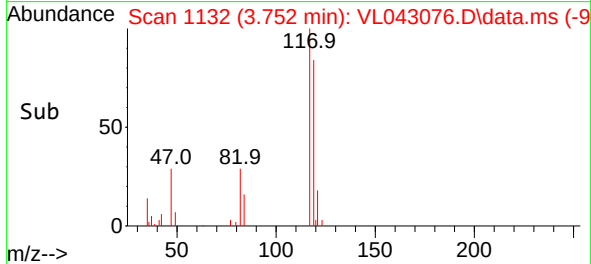
Instrument : MSVOA_L
ClientSampleId : IA4



Tgt Ion:117 Resp: 3019
Ion Ratio Lower Upper
117 100
119 83.6 78.2 117.4
121 18.4 24.8 37.2

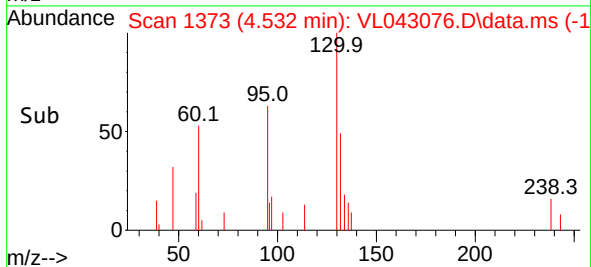
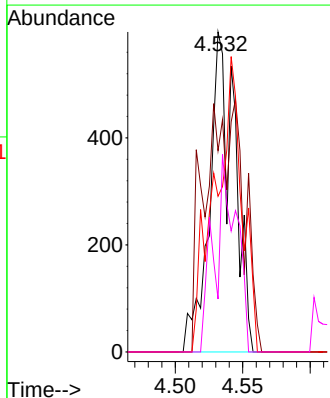
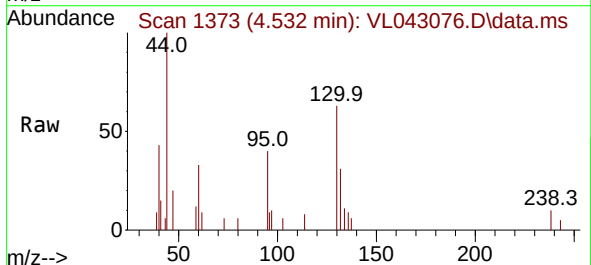
Manual Integrations
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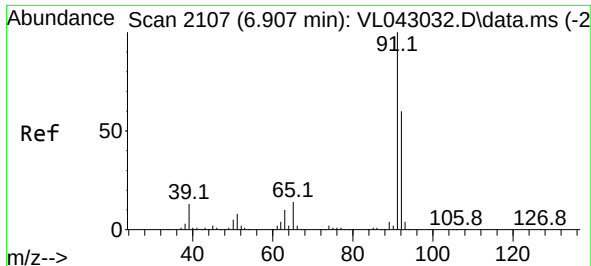
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 4.532 min Scan# 1373
Delta R.T. 0.007 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

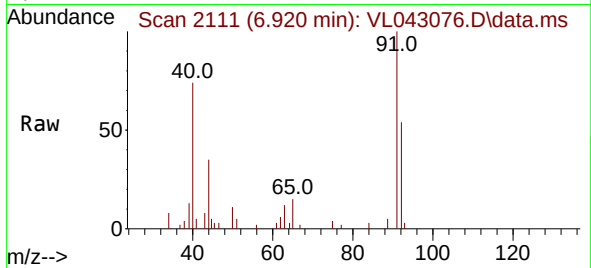
Tgt Ion:130 Resp: 774
Ion Ratio Lower Upper
130 100
95 62.9 86.4 129.6#
132 48.7 75.7 113.5#
97 16.6 56.9 85.3#





#53
Toluene
Concen: 0.140 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

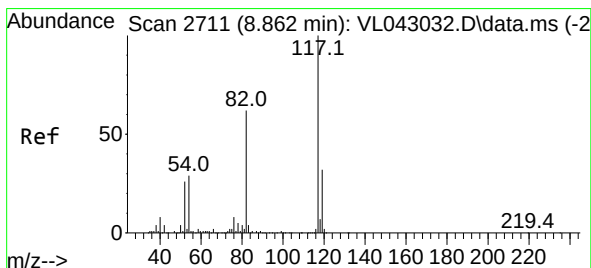
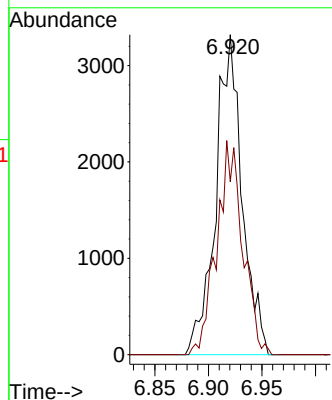
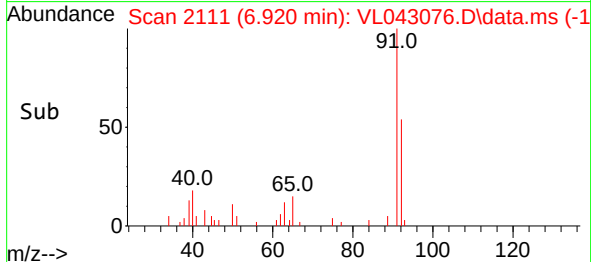
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 91 Resp: 568
Ion Ratio Lower Upper
91 100
92 66.0 47.8 71.6

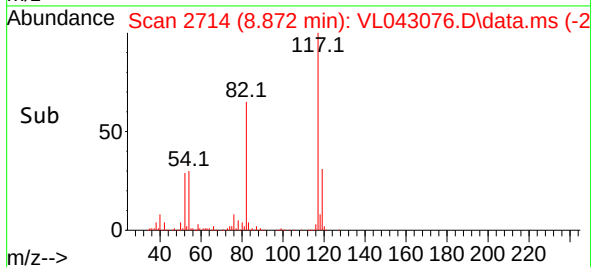
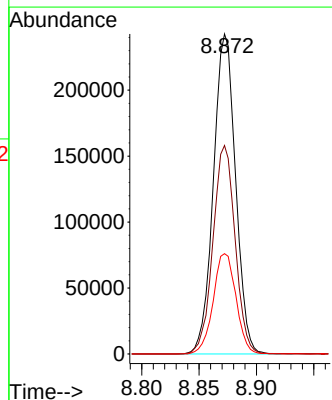
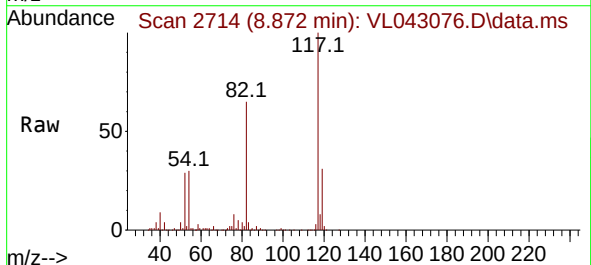
Manual Integrations
APPROVED

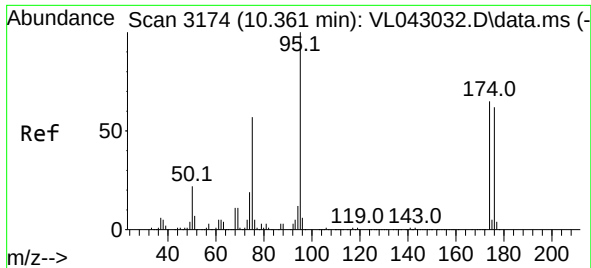
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.010 min
Lab File: VL043076.D
Acq: 09 Oct 2025 01:28

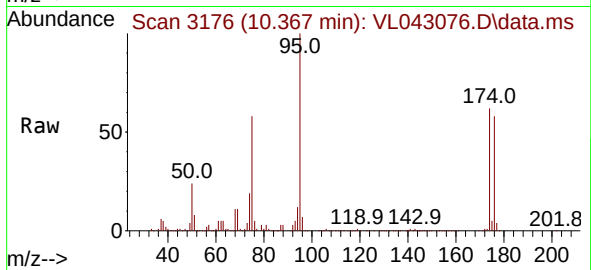
Tgt Ion:117 Resp: 326320
Ion Ratio Lower Upper
117 100
82 65.2 53.0 79.6
119 32.4 25.4 38.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.880 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.007 min
 Lab File: VL043076.D
 Acq: 09 Oct 2025 01:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4



Tgt Ion: 95 Resp: 232249
 Ion Ratio Lower Upper
 95 100
 174 65.8 52.3 78.5
 175 4.9 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

