

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042055.D
 Acq On : 26 Feb 2025 11:40
 Operator : SY/MD
 Sample : Q1419-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt

Quant Time: Feb 27 00:27:20 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	2.800	49	157204	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	381648	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	315276	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	249506	10.287	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	6898	0.422	ppbv	99
3) Chlorodifluoromethane	1.479	51	11916	0.522	ppbv #	86
4) Chloromethane	1.538	50	2903	0.480	ppbv #	82
5) Vinyl Chloride	1.586	62	213	0.037	ppbv #	43
9) Propene	1.492	41	28218m	3.032	ppbv	
11) Trichlorofluoromethane	1.884	101	3397	0.207	ppbv	98
13) Ethanol	1.729	45	18480	31.276	ppbv	96
15) Acetone	1.842	43	35580	2.563	ppbv	99
19) Isopropyl Alcohol	1.894	45	13839	1.735	ppbv #	64
20) Methylene Chloride	2.068	84	2153	0.410	ppbv	90
26) Hexane	2.842	57	6563	0.292	ppbv #	44
29) Chloroform	2.858	83	15138	0.501	ppbv	96
34) 2-Butanone	2.573	43	8375	0.282	ppbv	94
35) Carbon Tetrachloride	3.787	117	2031m	0.077	ppbv	
36) Benzene	3.674	78	46245	1.157	ppbv	94
52) Tetrachloroethene	8.241	164	19604	1.433	ppbv	96
53) Toluene	6.956	91	12573m	0.282	ppbv	
59) m/p-Xylene	9.552	91	5078m	0.110	ppbv	
79) Naphthalene	13.526	128	3874	0.102	ppbv #	93

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

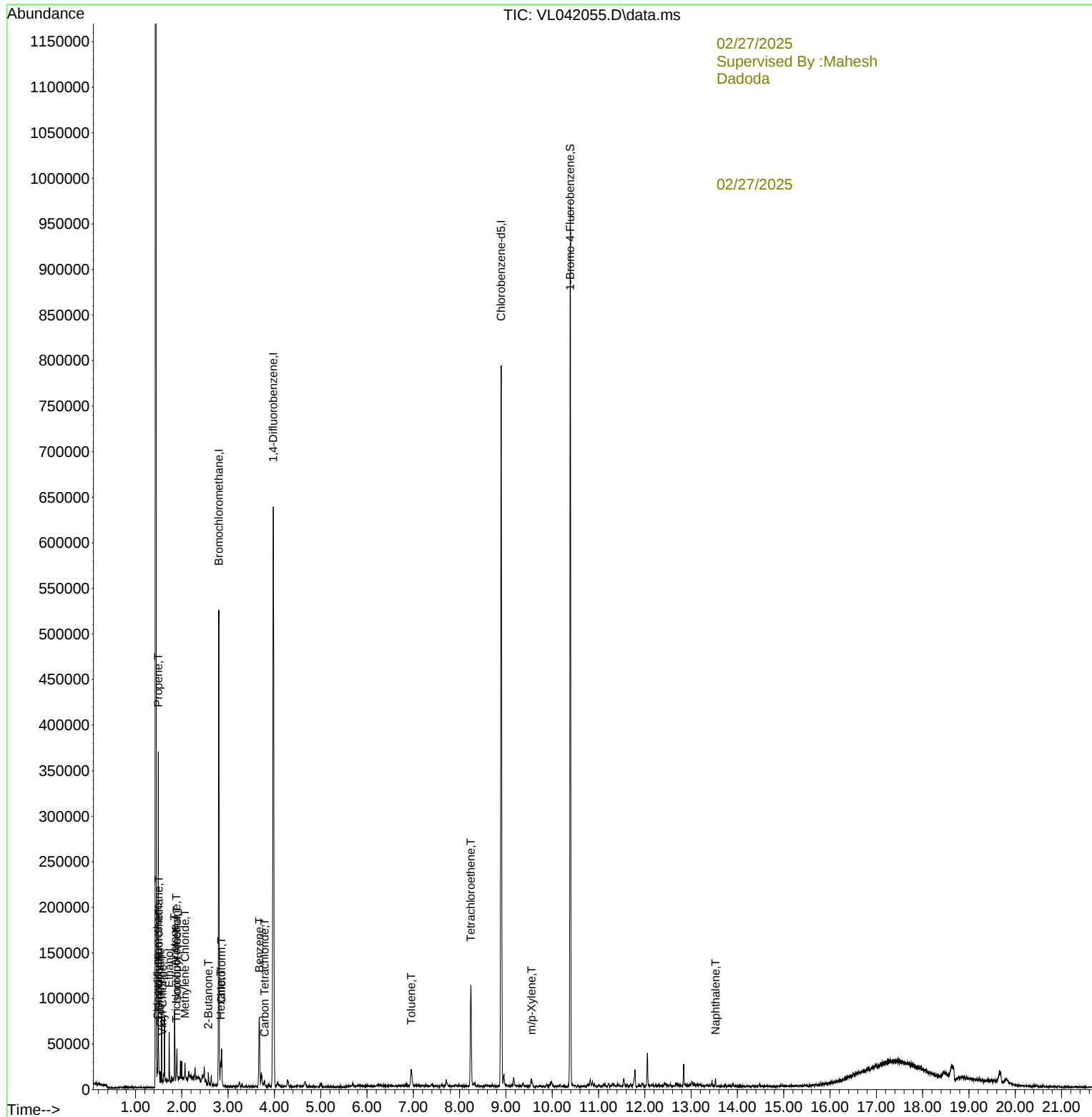
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042055.D
Acq On : 26 Feb 2025 11:40
Operator : SY/MD
Sample : Q1419-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

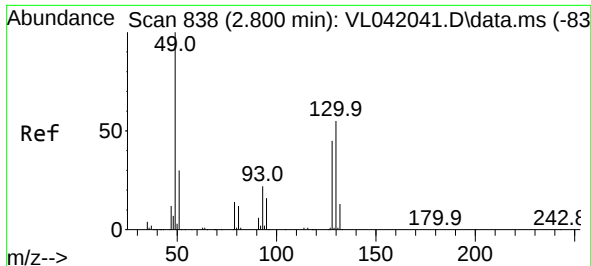
Instrument :
MSVOA_L
ClientSampleId :
IA1

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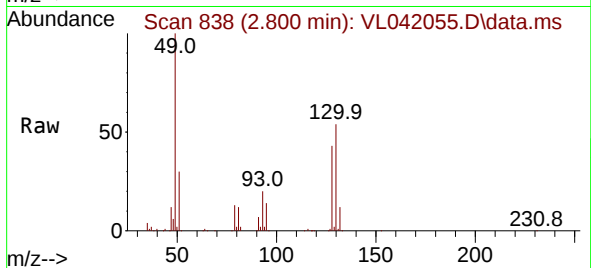
Quant Time: Feb 27 00:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

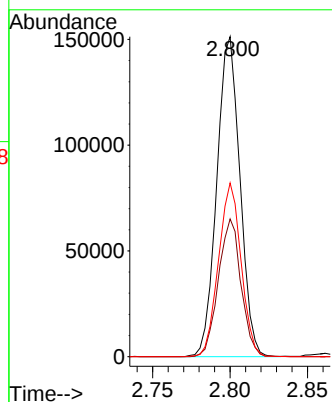
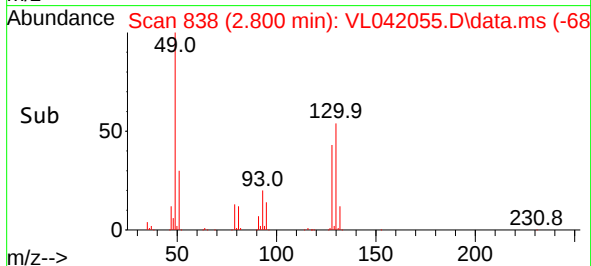
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 157204
Ion Ratio Lower Upper
49 100
128 42.1 21.6 64.8
130 52.8 27.8 83.4

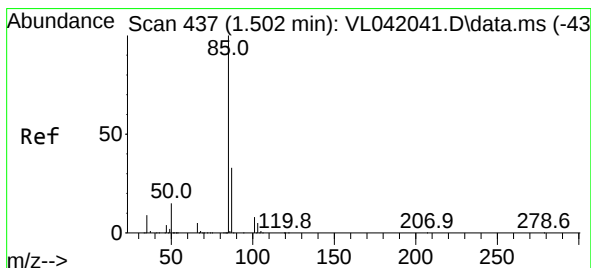
Manual Integrations
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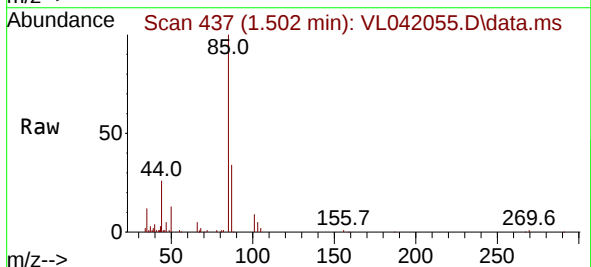


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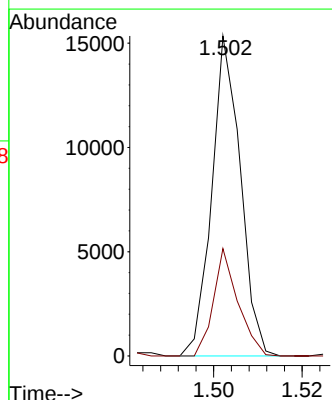
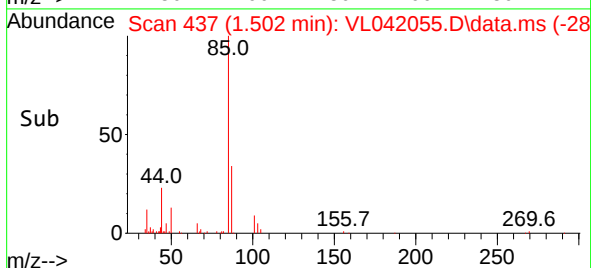
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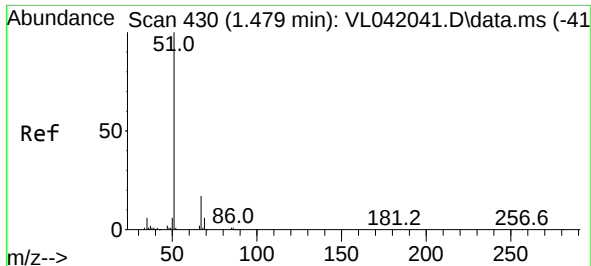


#2
Dichlorodifluoromethane
Concen: 0.422 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40



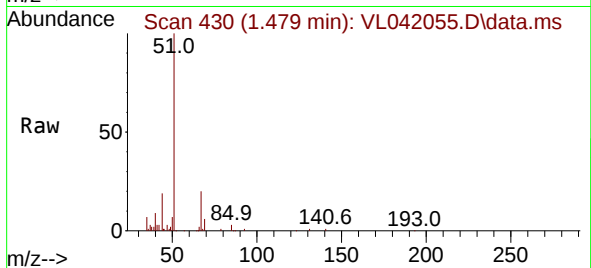
Tgt Ion: 85 Resp: 6898
Ion Ratio Lower Upper
85 100
87 33.6 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.522 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

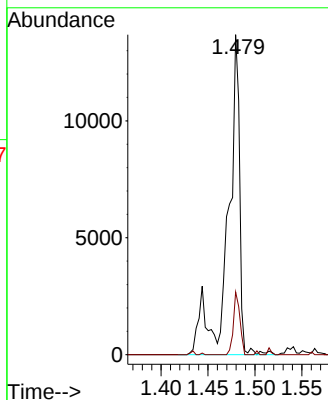
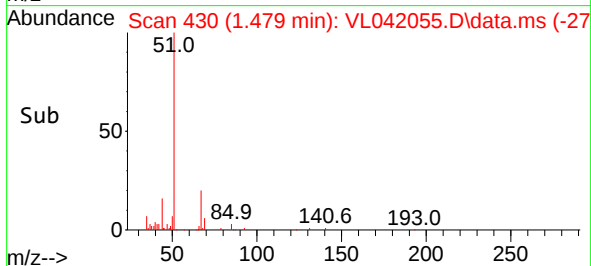
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 11910
Ion Ratio Lower Upper
51 100
67 11.1 13.7 20.5

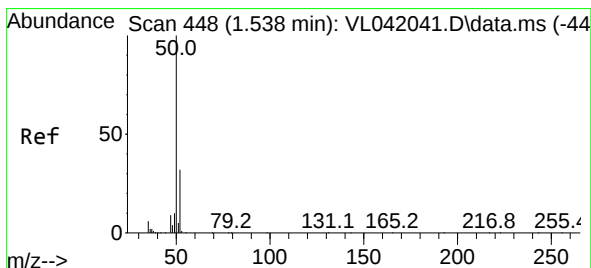
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Reviewed By :Semsettin
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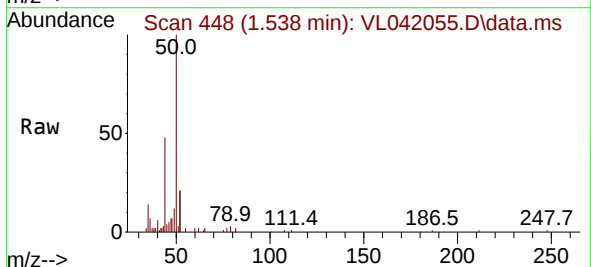


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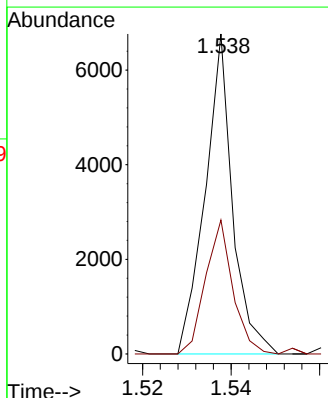
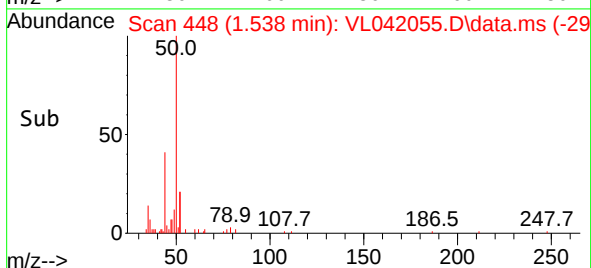
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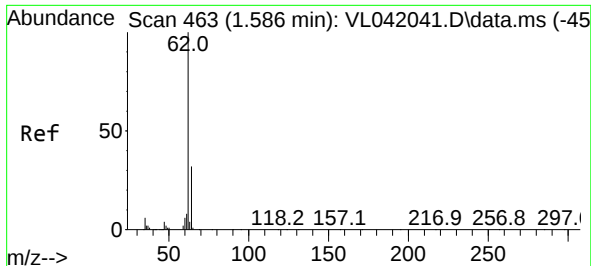


#4
Chloromethane
Concen: 0.480 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40



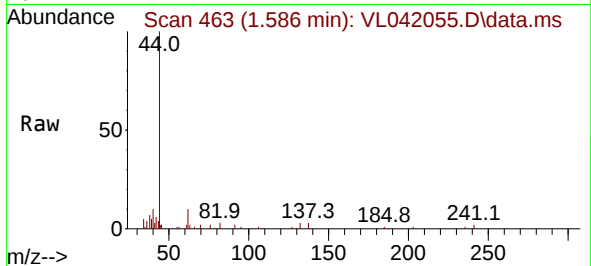
Tgt Ion: 50 Resp: 2903
Ion Ratio Lower Upper
50 100
52 41.9 25.4 38.0





#5
 Vinyl Chloride
 Concen: 0.037 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VL042055.D
 Acq: 26 Feb 2025 11:40

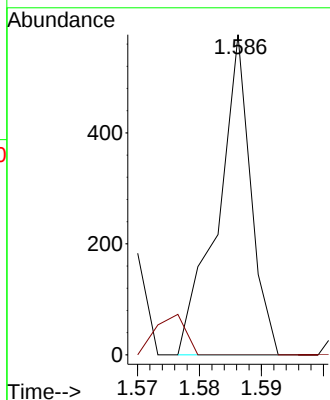
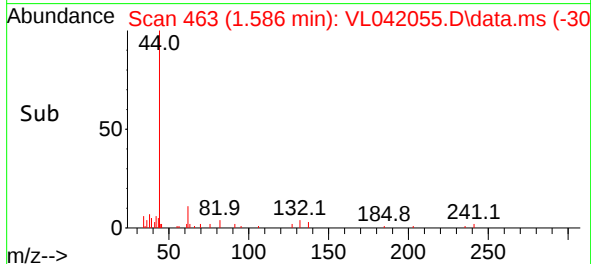
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 62 Resp: 211
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.3 37.9

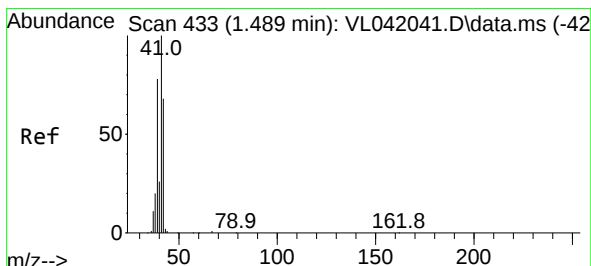
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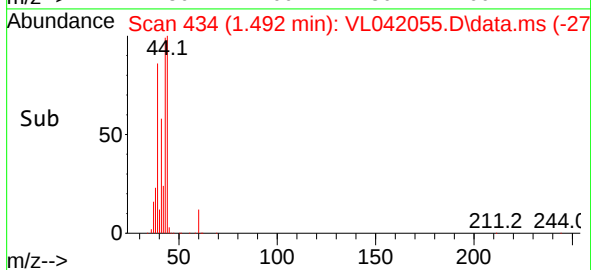
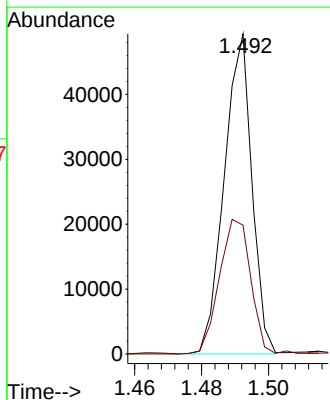
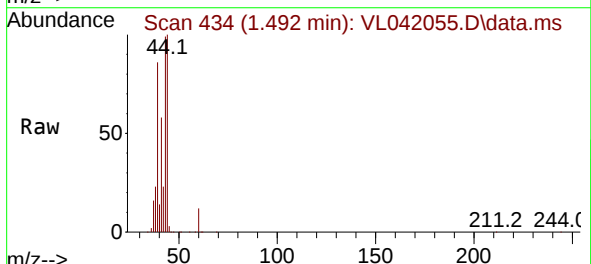
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 Dadoda

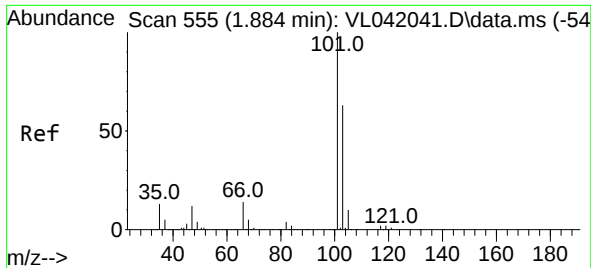
02/27/2025



#9
 Propene
 Concen: 3.032 ppbv m
 RT: 1.492 min Scan# 434
 Delta R.T. 0.003 min
 Lab File: VL042055.D
 Acq: 26 Feb 2025 11:40

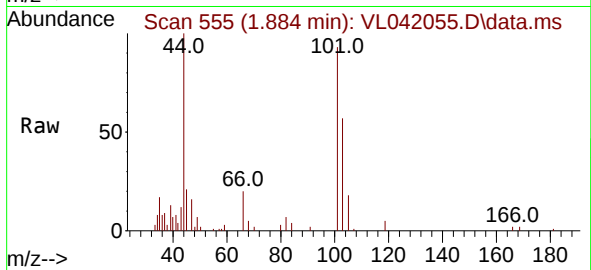
Tgt Ion: 41 Resp: 28218
 Ion Ratio Lower Upper
 41 100
 42 3.3 55.8 83.6





#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 1.884 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

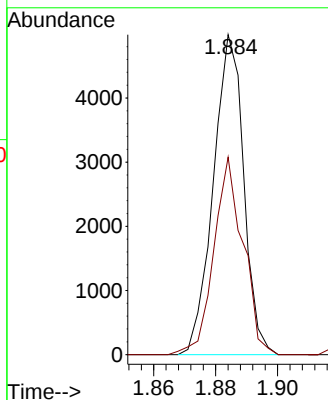
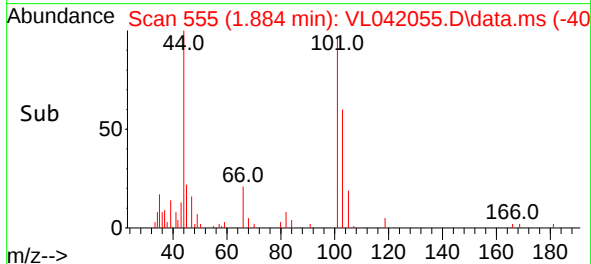
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 339
Ion Ratio Lower Upper
101 100
103 61.7 50.6 75.8

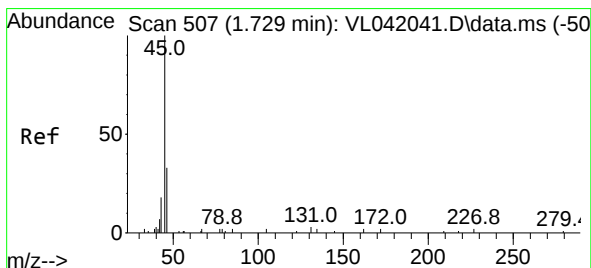
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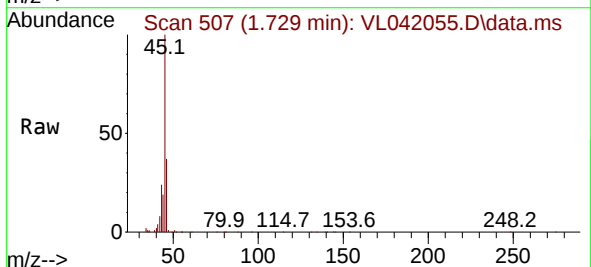


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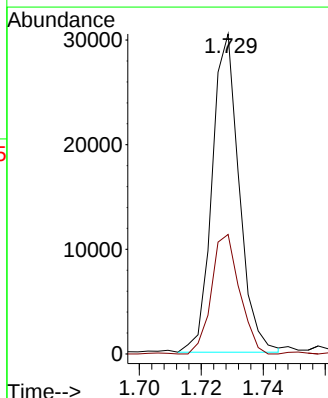
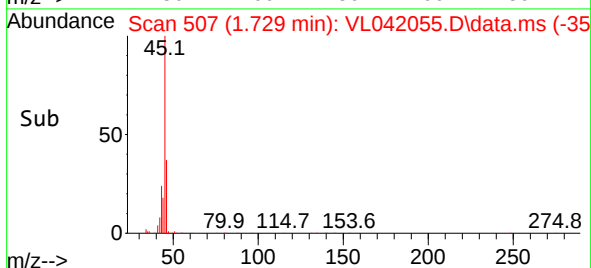
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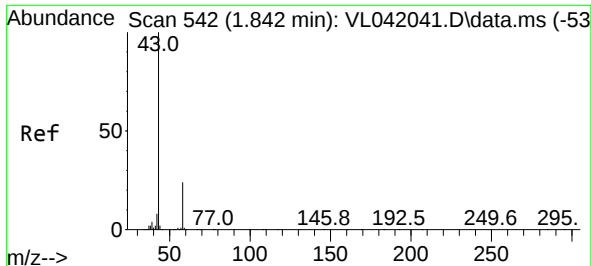


#13
Ethanol
Concen: 31.276 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40



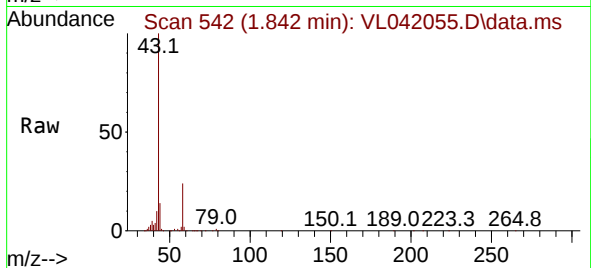
Tgt Ion: 45 Resp: 18480
Ion Ratio Lower Upper
45 100
46 39.9 17.1 68.3





#15
Acetone
Concen: 2.563 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

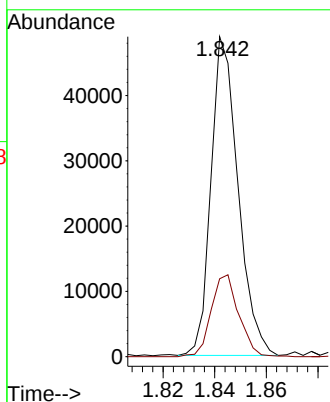
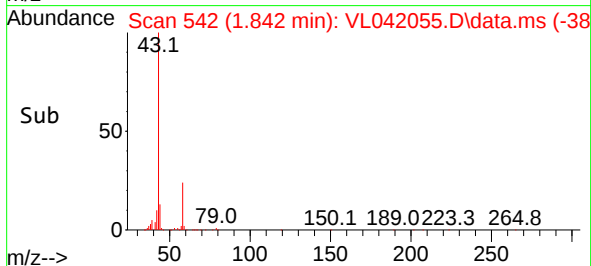
Instrument : MSVOA_L
ClientSampleId : IA1



Tgt Ion: 43 Resp: 35580
Ion Ratio Lower Upper
43 100
58 26.2 20.7 31.1

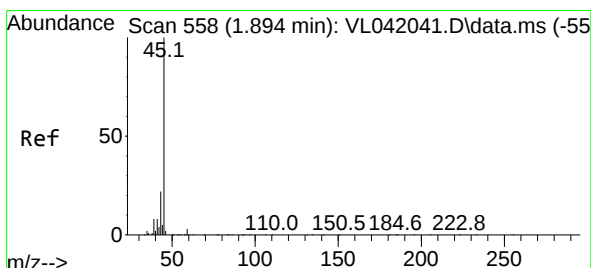
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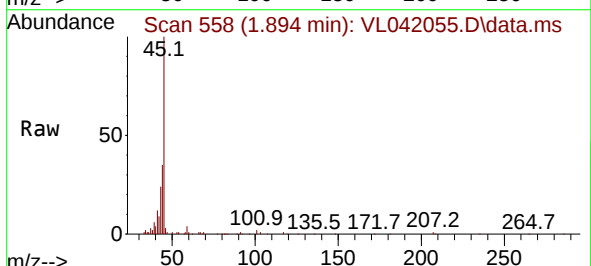


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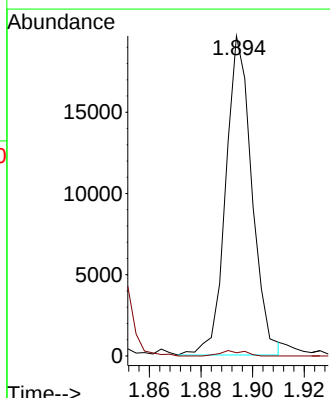
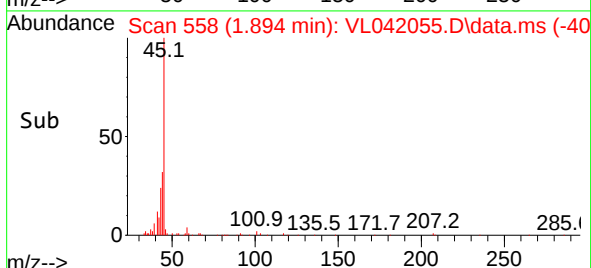
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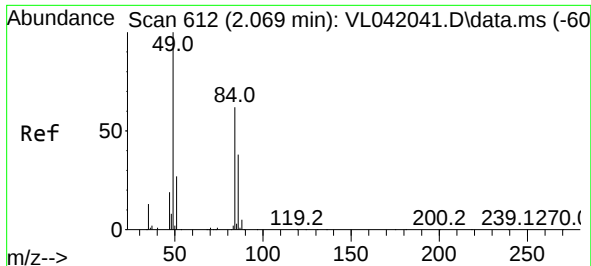


#19
Isopropyl Alcohol
Concen: 1.735 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40



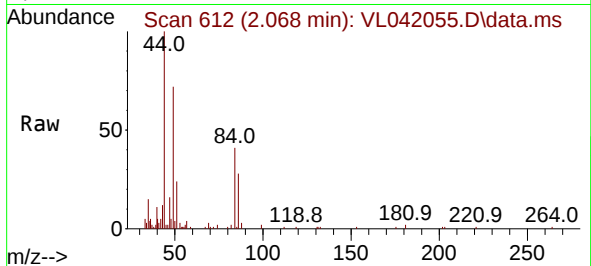
Tgt Ion: 45 Resp: 13839
Ion Ratio Lower Upper
45 100
58 67.4 35.3 52.9





#20
Methylene Chloride
Concen: 0.410 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

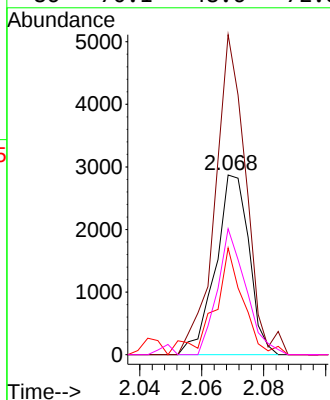
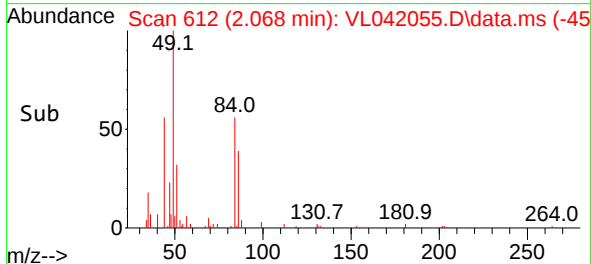
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84	Resp: 215
Ion Ratio	Lower Upper
84 100	
49 173.7	130.0 195.0
51 54.7	37.4 56.0
86 70.1	48.6 72.8

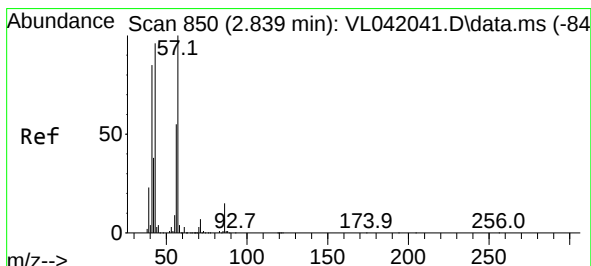
Manual Integrations
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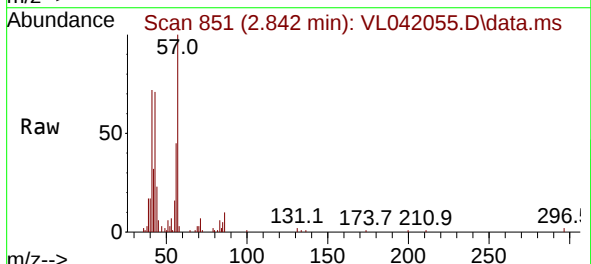


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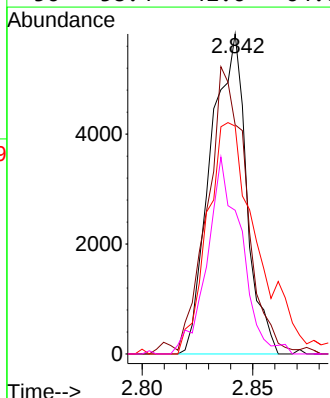
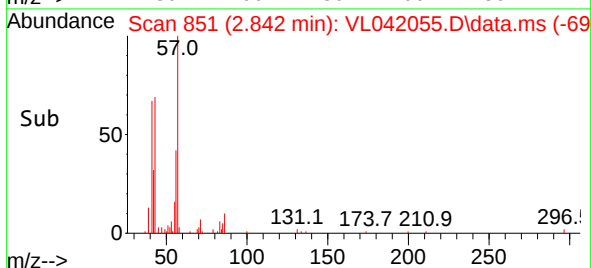
02/27/2025

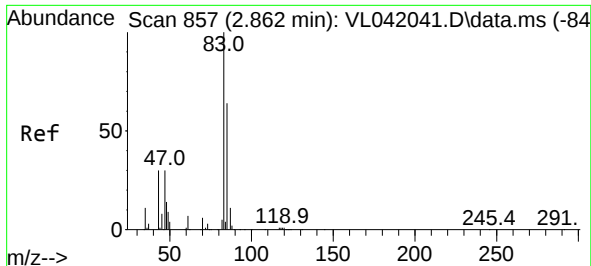


#26
Hexane
Concen: 0.292 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40



Tgt Ion: 57	Resp: 6563
Ion Ratio	Lower Upper
57 100	
41 98.9	70.6 106.0
43 105.2	199.4 299.0#
56 58.4	42.6 64.0





#29

Chloroform

Concen: 0.501 ppbv

RT: 2.858 min Scan# 857

Delta R.T. -0.003 min

Lab File: VL042055.D

Acq: 26 Feb 2025 11:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 83 Resp: 15138

Ion Ratio Lower Upper

83 100

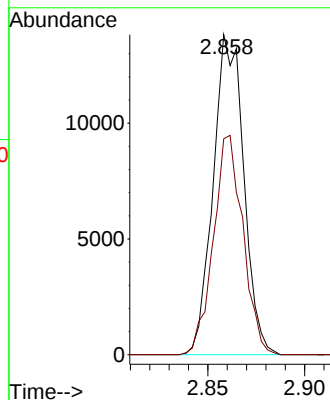
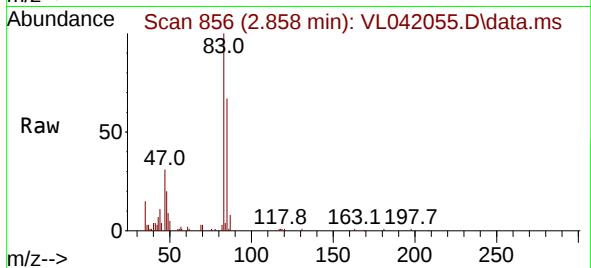
85 67.4 51.2 76.8

Manual Integrations

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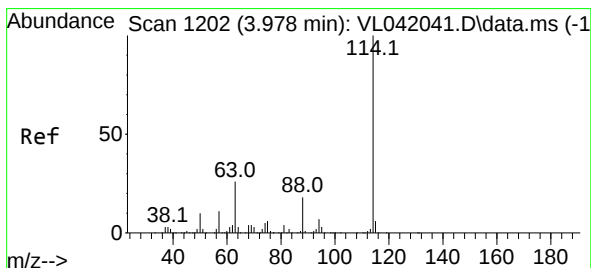
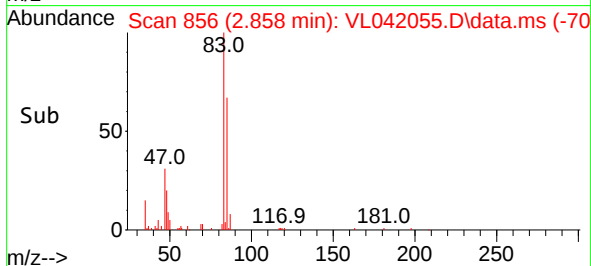


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Dadoda

02/27/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. -0.003 min

Lab File: VL042055.D

Acq: 26 Feb 2025 11:40

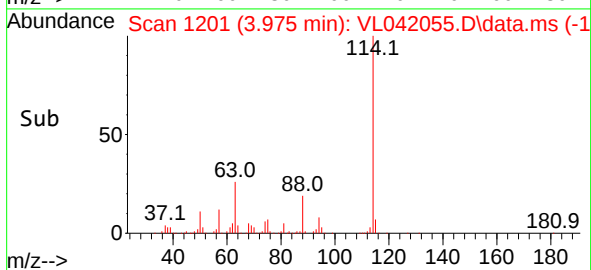
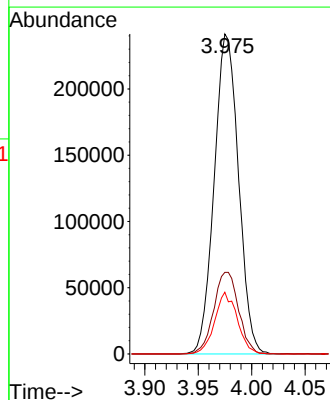
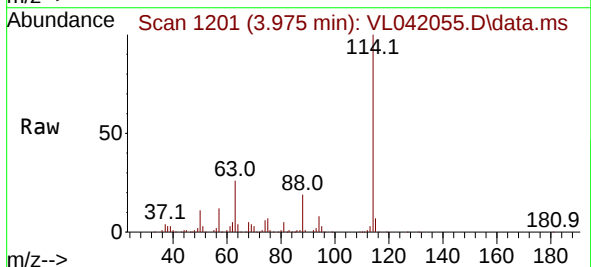
Tgt Ion:114 Resp: 381648

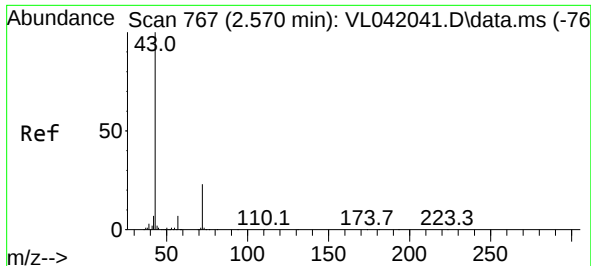
Ion Ratio Lower Upper

114 100

63 26.2 20.1 30.1

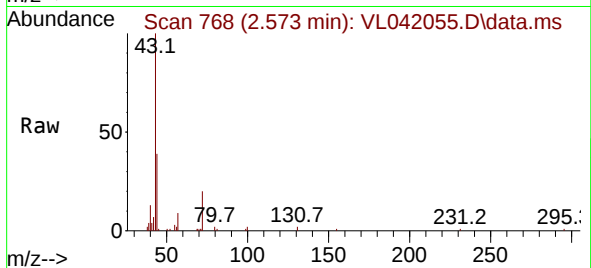
88 18.0 14.3 21.5





#34
2-Butanone
Concen: 0.282 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

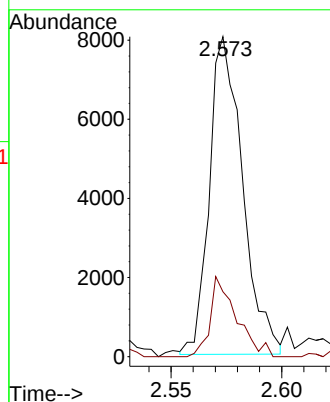
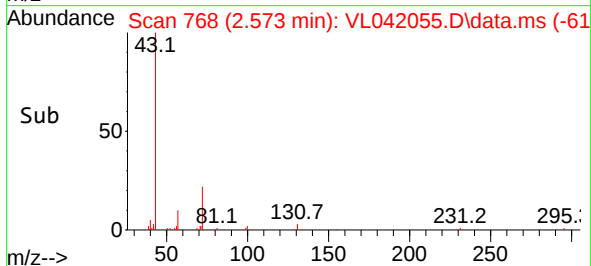
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
72 20.2 18.5 27.7

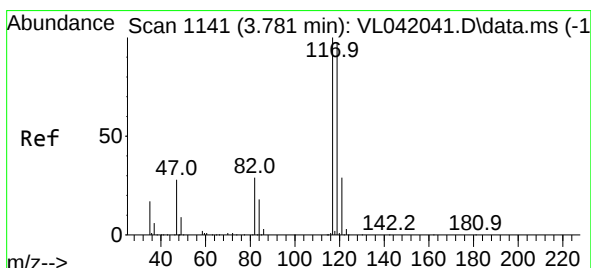
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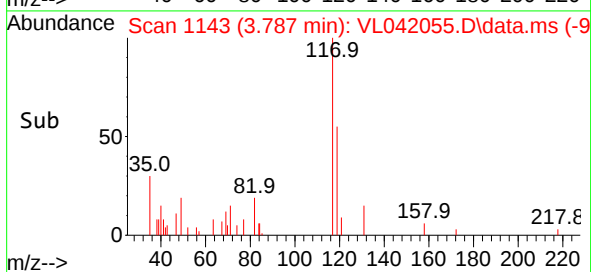
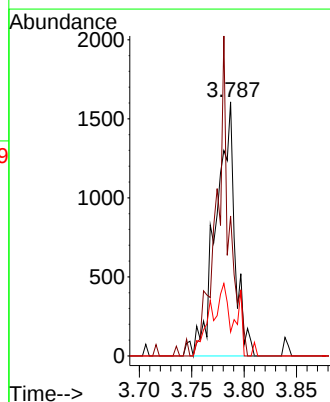
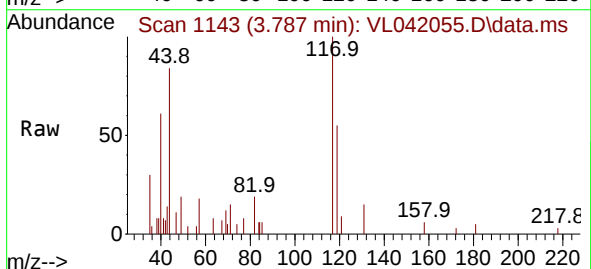
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Supervised By :Mahesh
Dadoda

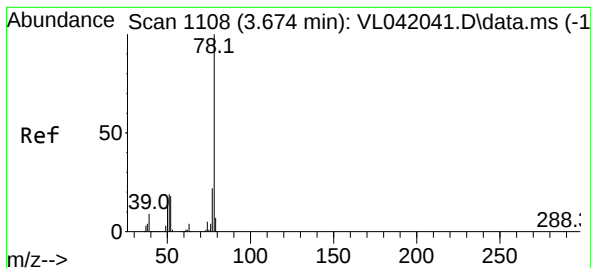
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#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 3.787 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:117 Resp: 2031
Ion Ratio Lower Upper
117 100
119 55.1 77.8 116.8#
121 9.5 23.4 35.0#





#36

Benzene

Concen: 1.157 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VL042055.D

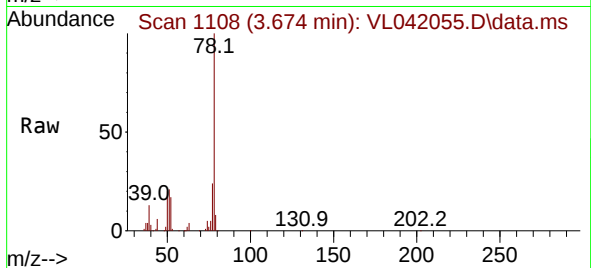
Acq: 26 Feb 2025 11:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

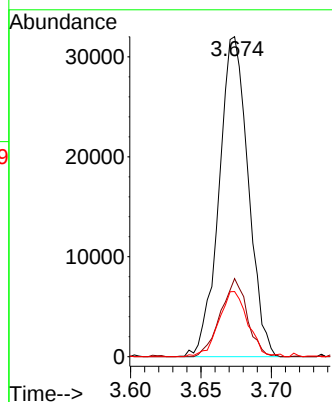


Tgt Ion: 78 Resp: 4624

Ion	Ratio	Lower	Upper
78	100		
77	24.4	17.7	26.5
50	20.4	13.9	20.9

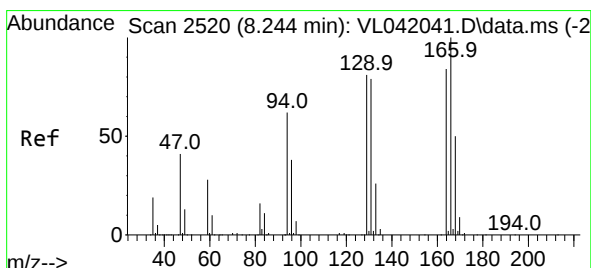
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Dadoda

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#52

Tetrachloroethene

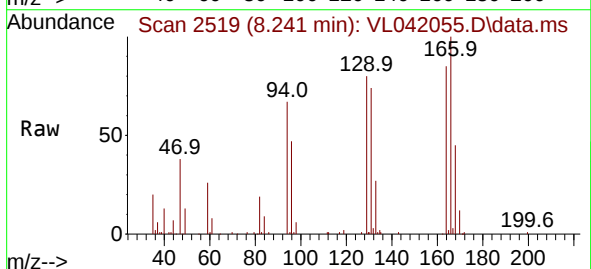
Concen: 1.433 ppbv

RT: 8.241 min Scan# 2519

Delta R.T. -0.003 min

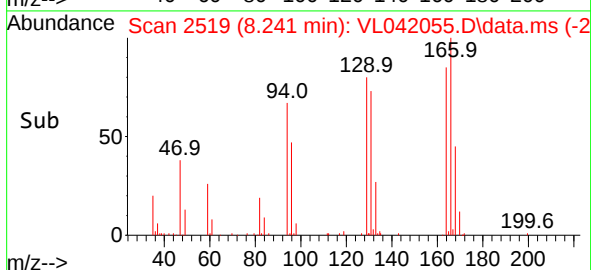
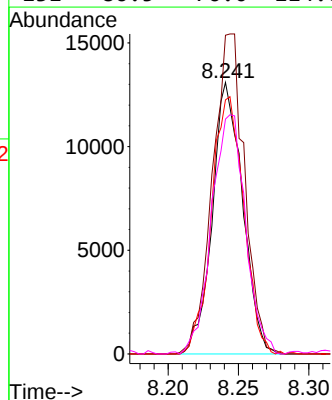
Lab File: VL042055.D

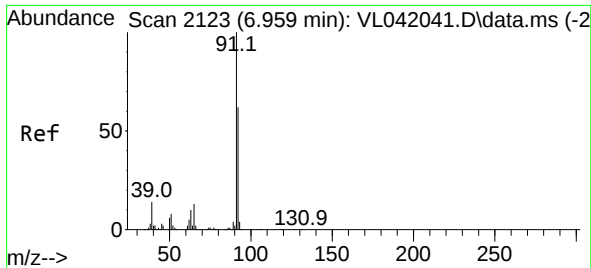
Acq: 26 Feb 2025 11:40



Tgt Ion:164 Resp: 19604

Ion	Ratio	Lower	Upper
164	100		
166	116.9	95.7	143.5
129	94.7	77.1	115.7
131	86.5	76.0	114.0





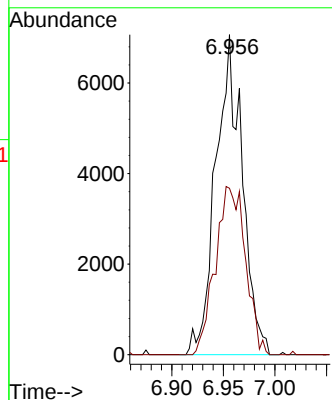
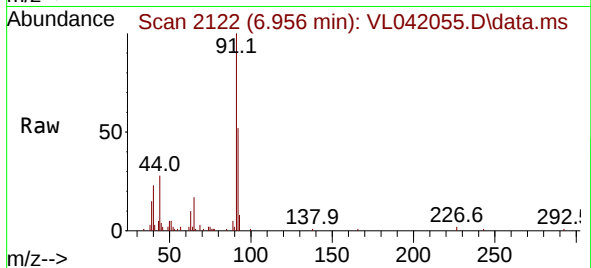
#53
Toluene
Concen: 0.282 ppbv m
RT: 6.956 min Scan# 2123
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1257
Ion Ratio Lower Upper
91 100
92 60.0 49.0 73.6

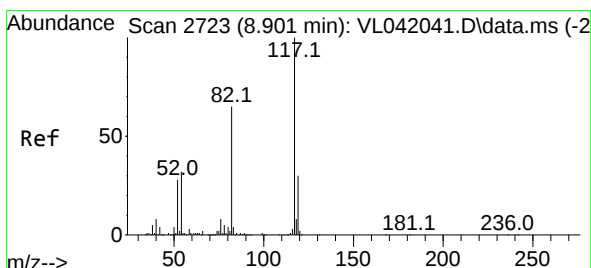
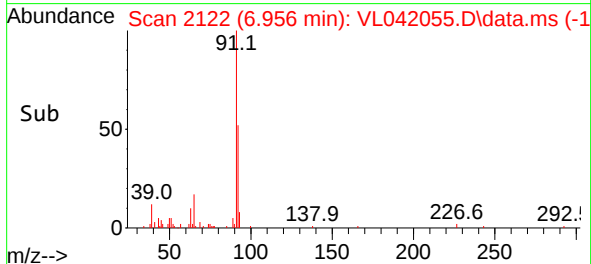
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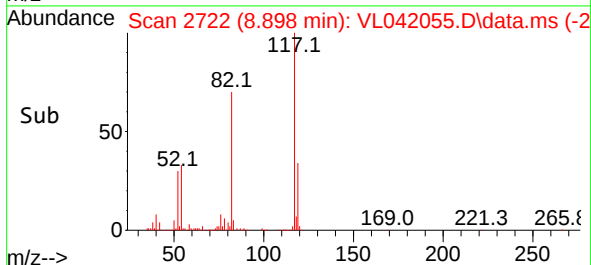
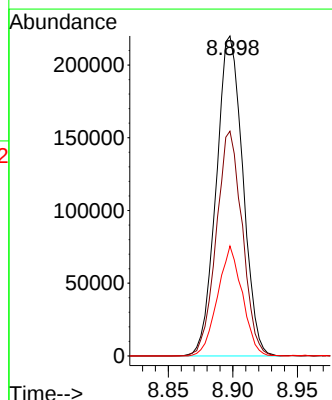
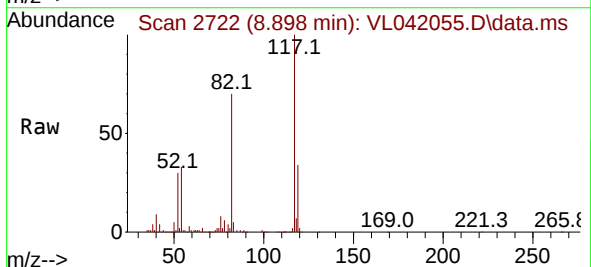
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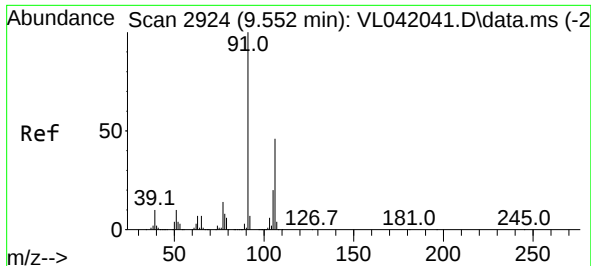
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

Tgt Ion:117 Resp: 315276
Ion Ratio Lower Upper
117 100
82 68.6 55.0 82.6
119 32.0 25.9 38.9





#59

m/p-Xylene

Concen: 0.110 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. -0.000 min

Lab File: VL042055.D

Acq: 26 Feb 2025 11:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 5078

Ion Ratio Lower Upper

91 100

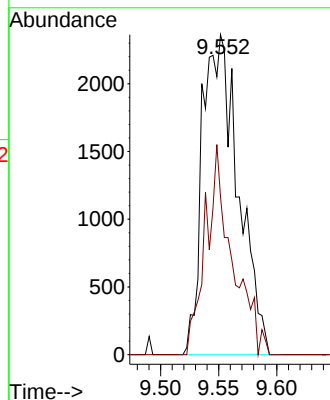
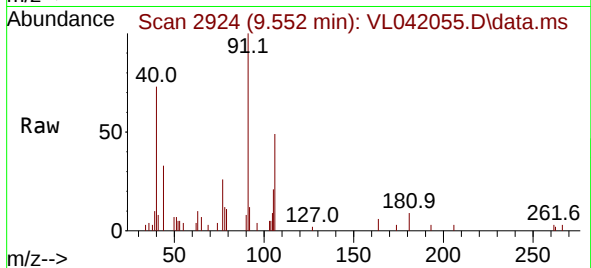
106 48.7 0.0 0.0

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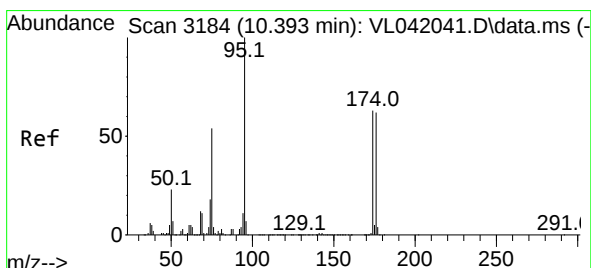
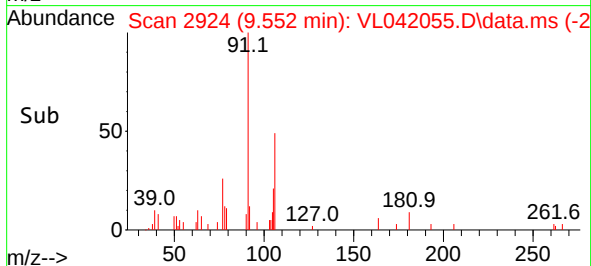


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#68

1-Bromo-4-Fluorobenzene

Concen: 10.287 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.003 min

Lab File: VL042055.D

Acq: 26 Feb 2025 11:40

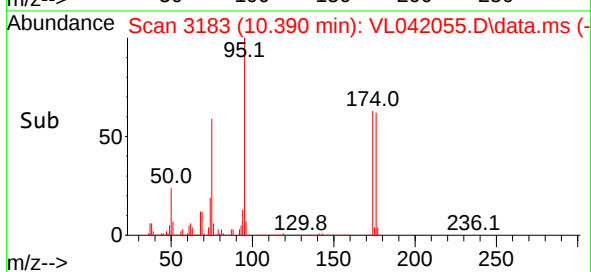
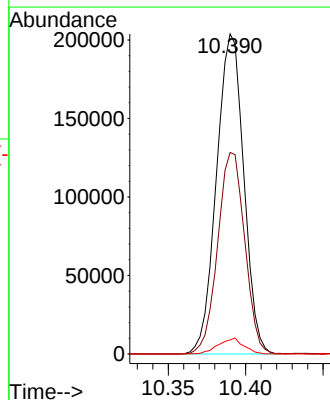
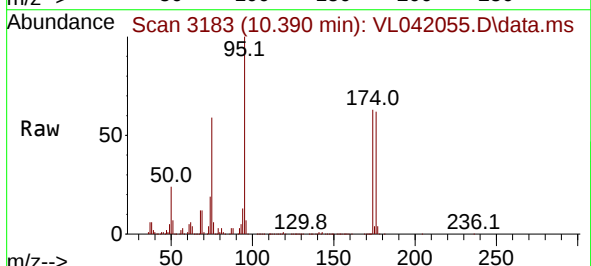
Tgt Ion: 95 Resp: 249506

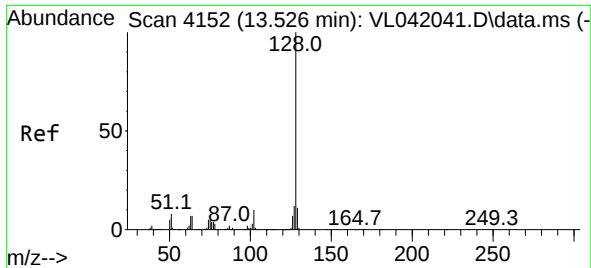
Ion Ratio Lower Upper

95 100

174 62.5 51.8 77.6

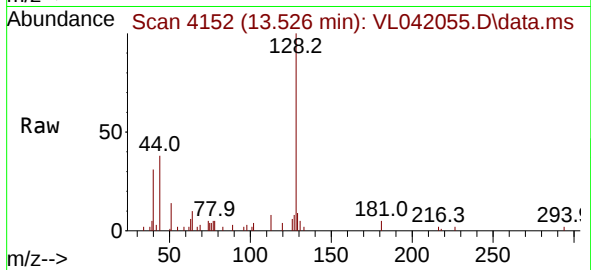
175 4.6 3.9 5.9





#79
Naphthalene
Concen: 0.102 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.000 min
Lab File: VL042055.D
Acq: 26 Feb 2025 11:40

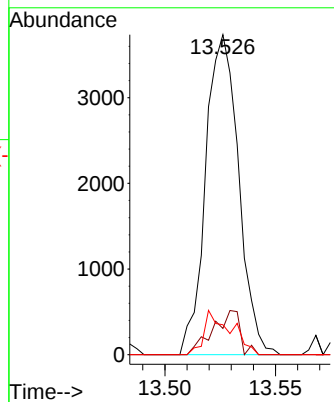
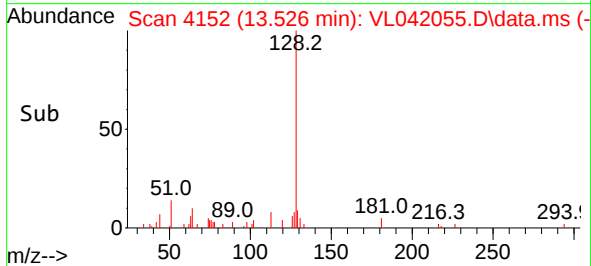
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:128 Resp: 3874
Ion Ratio Lower Upper
128 100
127 8.2 9.8 14.6
129 9.4 8.6 12.8

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Supervised By :Mahesh
Dadoda

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