

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041798.D
 Acq On : 18 Dec 2024 17:43
 Operator : SY/MD
 Sample : P5293-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AB9DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024
 Supervised By :Mahesh Dadoda 12/19/2024

Quant Time: Dec 19 07:56:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	72121	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	176581	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	152305	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 128237 10.104 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	5460	0.425	ppbv	96
3) Chlorodifluoromethane	1.479	51	3200m	0.272	ppbv	
4) Chloromethane	1.538	50	2031	0.404	ppbv	97
9) Propene	1.492	41	8446m	1.657	ppbv	
11) Trichlorofluoromethane	1.884	101	2724	0.200	ppbv	99
13) Ethanol	1.725	45	54872	129.993	ppbv	94
15) Acetone	1.842	43	46424	3.308	ppbv #	83
19) Isopropyl Alcohol	1.894	45	5895	0.700	ppbv #	1
20) Methylene Chloride	2.068	84	42585	10.643	ppbv	96
26) Hexane	2.839	57	14701	1.484	ppbv #	31
29) Chloroform	2.858	83	39051	2.587	ppbv	94
34) 2-Butanone	2.570	43	3039	0.214	ppbv	100
35) Carbon Tetrachloride	3.774	117	901m	0.072	ppbv	
36) Benzene	3.667	78	4108	0.225	ppbv	96
44) 2,2,4-Trimethylpentane	4.654	57	3849m	0.123	ppbv	
53) Toluene	6.952	91	6783	0.328	ppbv	99
59) m/p-Xylene	9.545	91	2914m	0.132	ppbv	

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

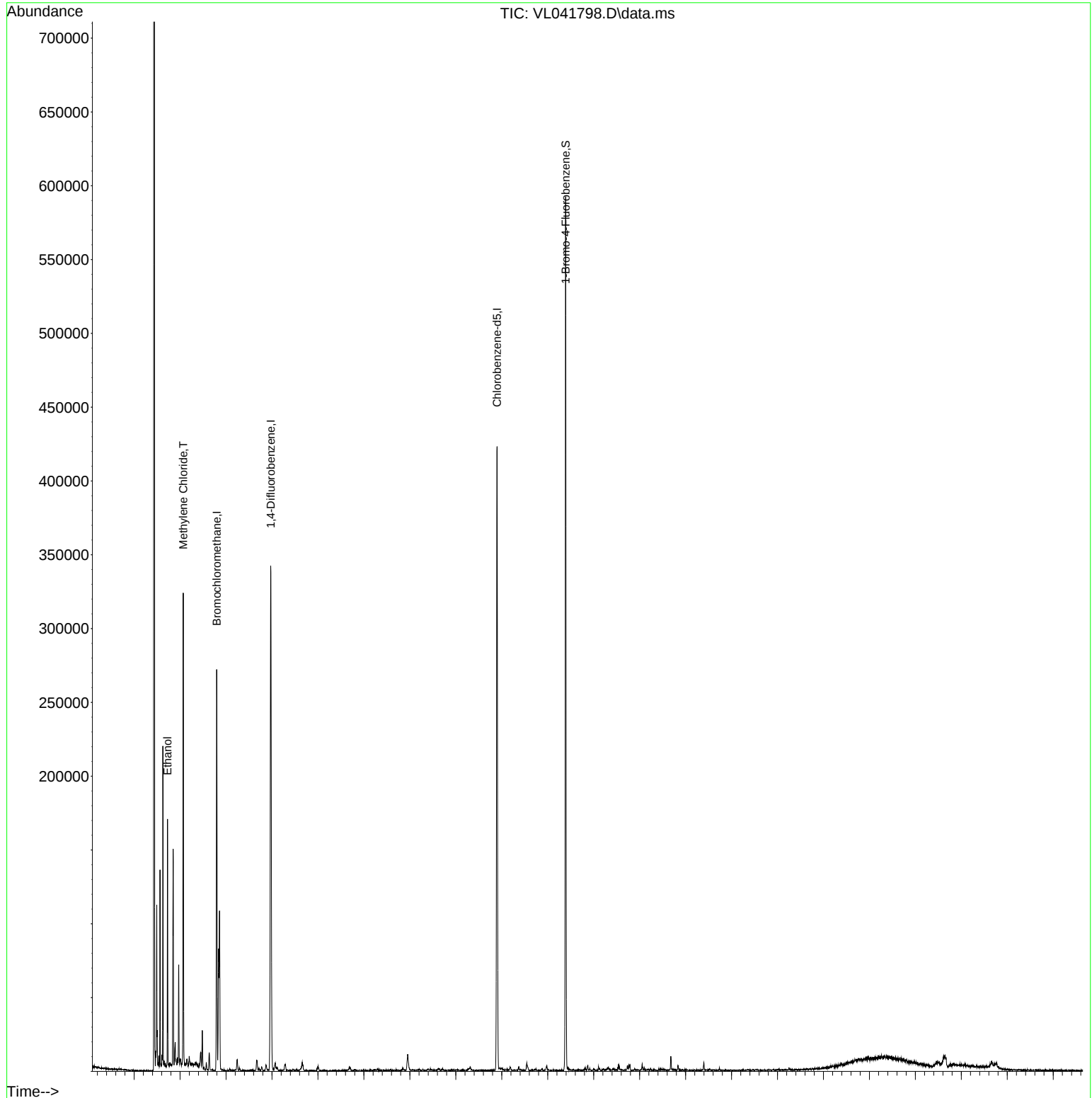
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041798.D
Acq On : 18 Dec 2024 17:43
Operator : SY/MD
Sample : P5293-01DUP
Misc : 400mL/MSVOA_L
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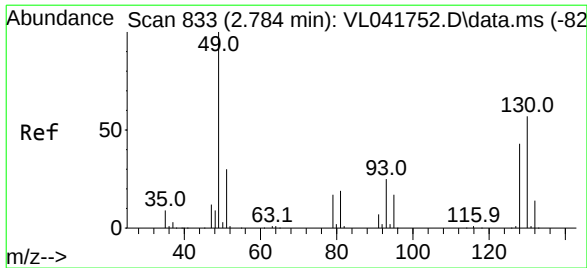
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP

Quant Time: Dec 19 07:56:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

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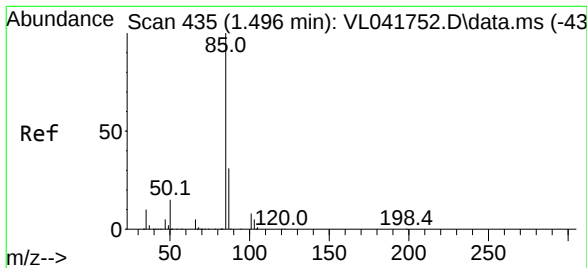
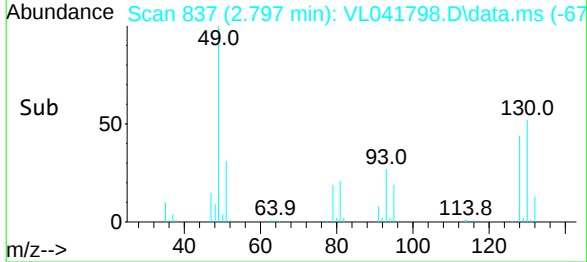
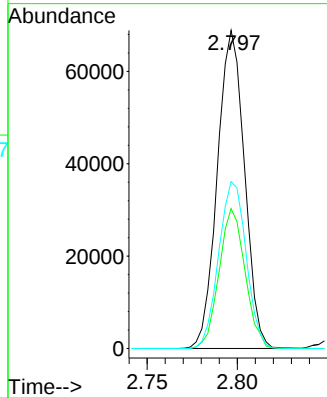
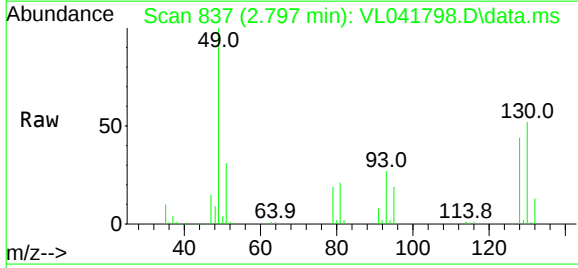
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP

Tgt Ion: 49 Resp: 72121
Ion Ratio Lower Upper
49 100
128 42.1 21.6 64.6
130 53.2 28.3 85.0

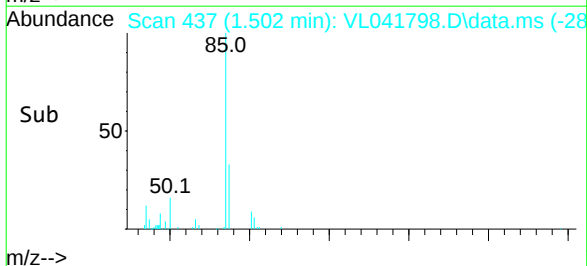
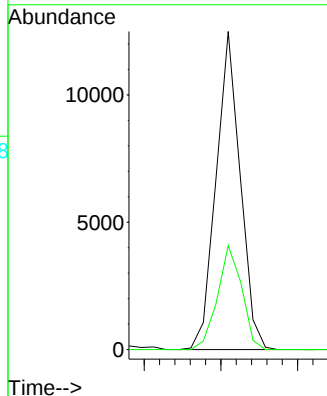
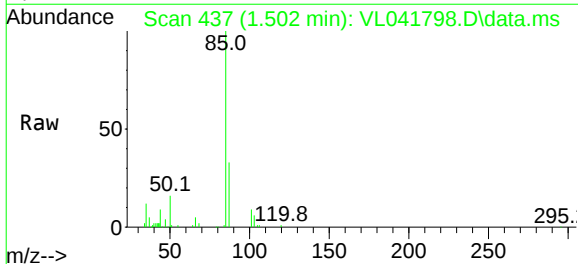
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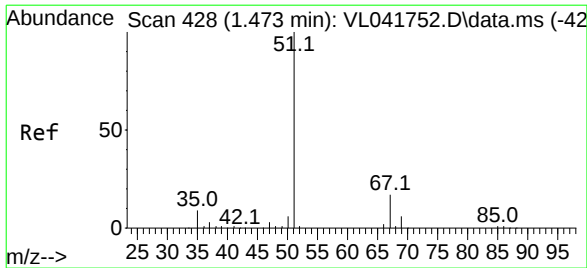
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.425 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Tgt Ion: 85 Resp: 5460
Ion Ratio Lower Upper
85 100
87 32.7 24.5 36.7





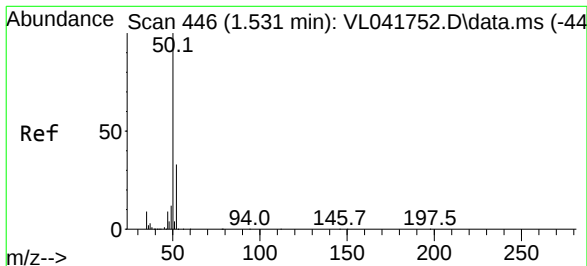
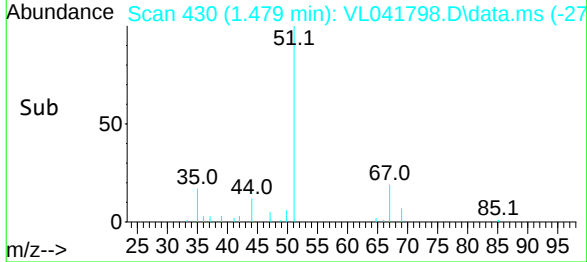
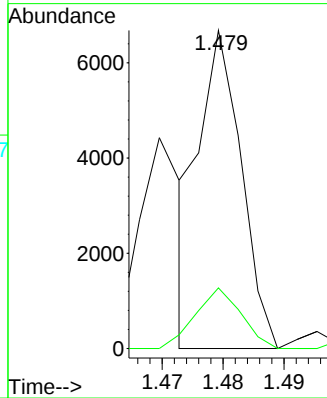
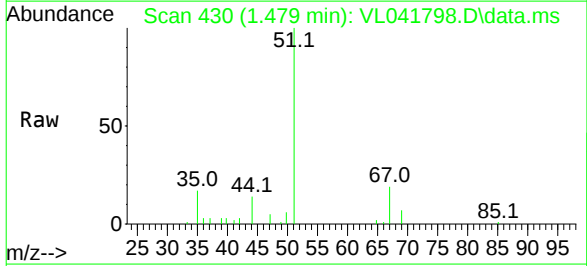
#3
Chlorodifluoromethane
Concen: 0.272 ppbv m
RT: 1.479 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP

Tgt Ion: 51 Resp: 3200
Ion Ratio Lower Upper
51 100
67 4.1 15.0 22.4

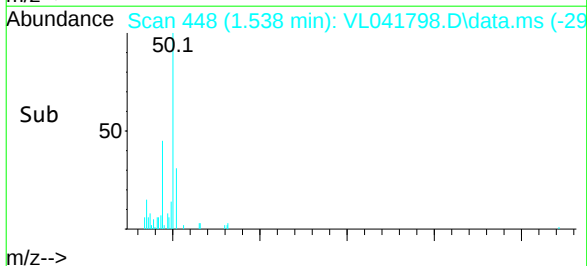
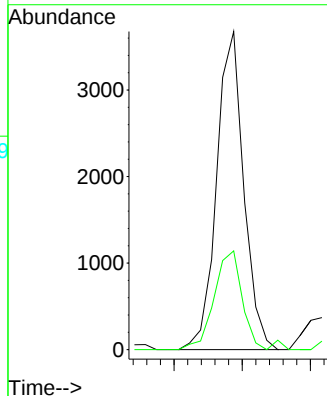
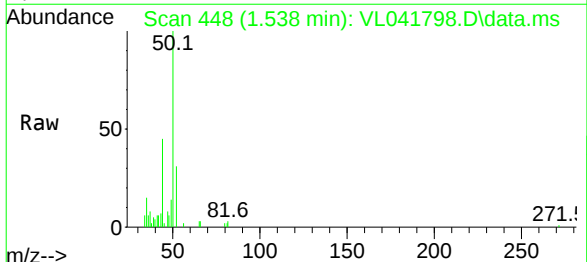
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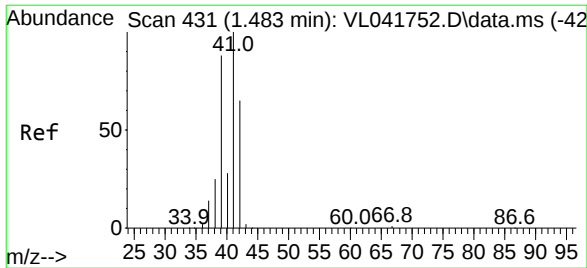
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#4
Chloromethane
Concen: 0.404 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

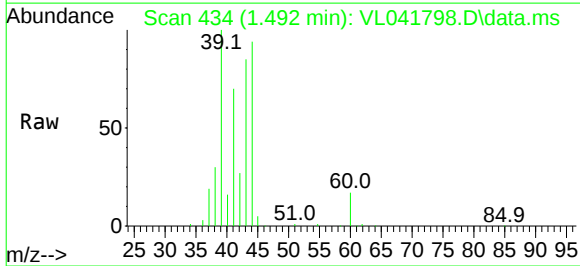
Tgt Ion: 50 Resp: 2031
Ion Ratio Lower Upper
50 100
52 31.0 26.2 39.2





#9
Propene
Concen: 1.657 ppbv m
RT: 1.492 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

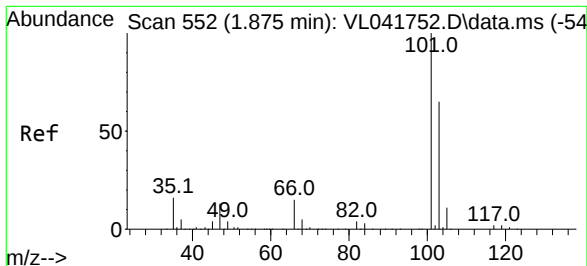
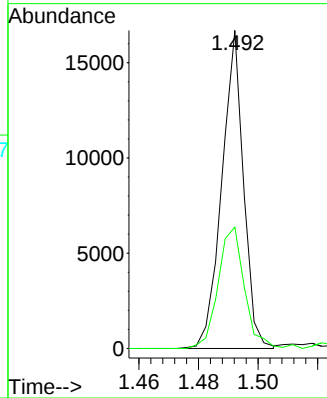
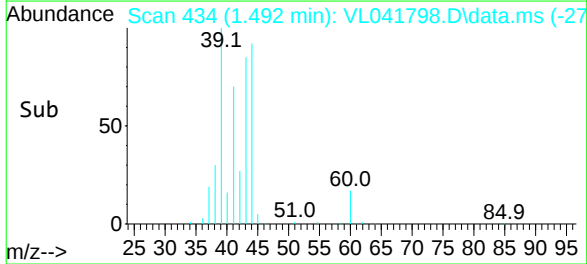
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 41 Resp: 8446
Ion Ratio Lower Upper
41 100
42 72.7 52.4 78.6

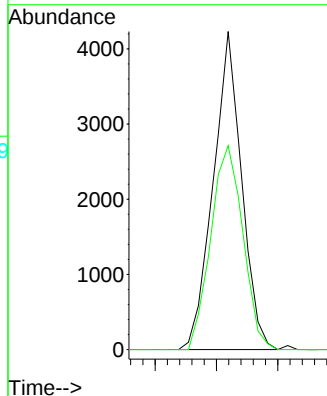
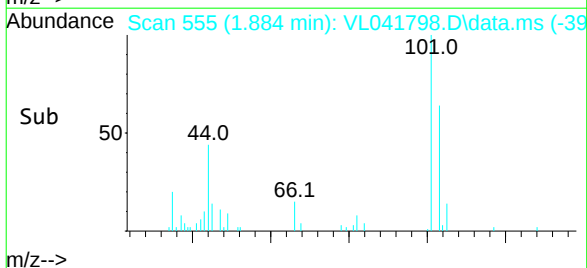
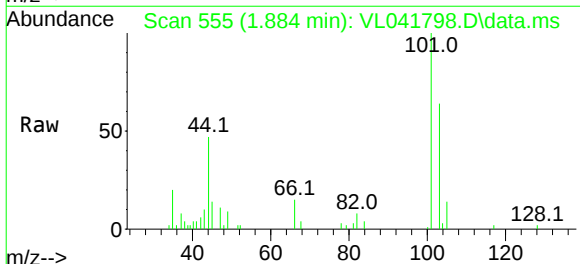
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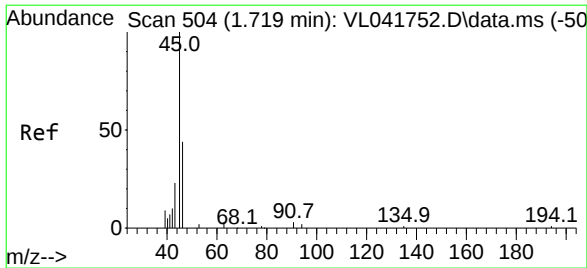
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#11
Trichlorofluoromethane
Concen: 0.200 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.009 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

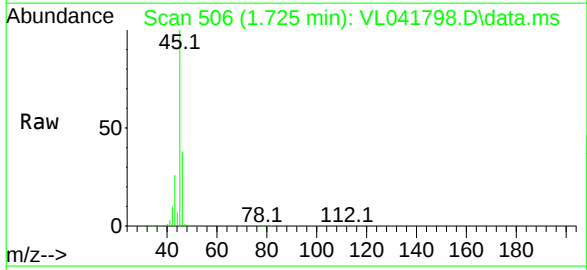
Tgt Ion:101 Resp: 2724
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8





#13
Ethanol
Concen: 129.993 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

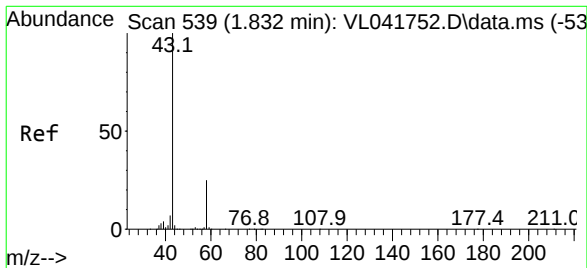
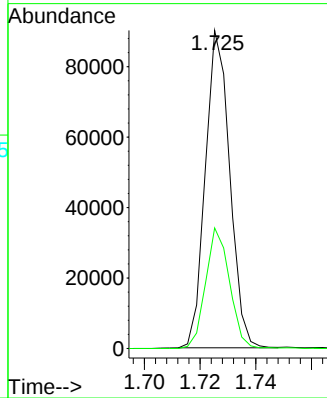
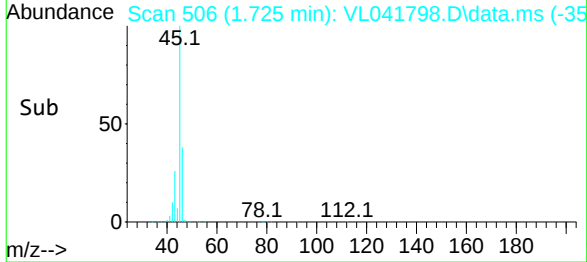
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 45 Resp: 54872
Ion Ratio Lower Upper
45 100
46 37.3 16.4 65.8

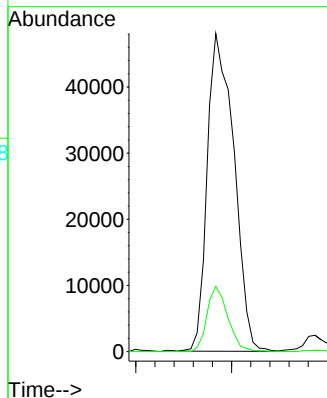
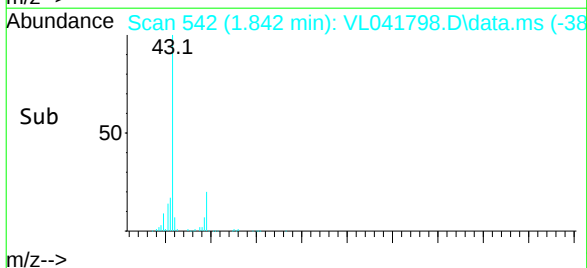
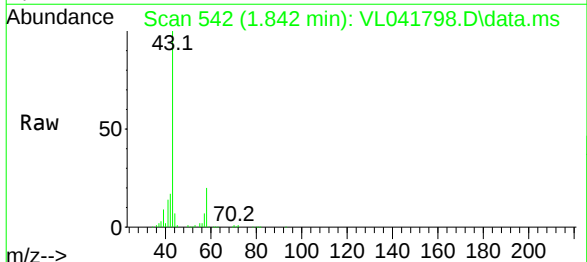
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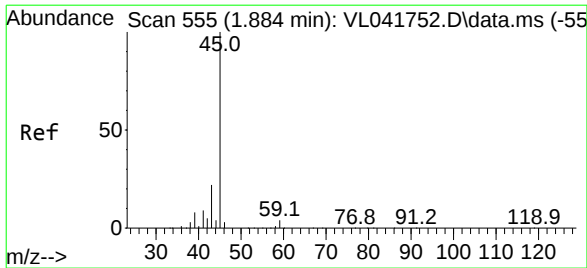
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#15
Acetone
Concen: 3.308 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Tgt Ion: 43 Resp: 46424
Ion Ratio Lower Upper
43 100
58 16.1 19.7 29.5#





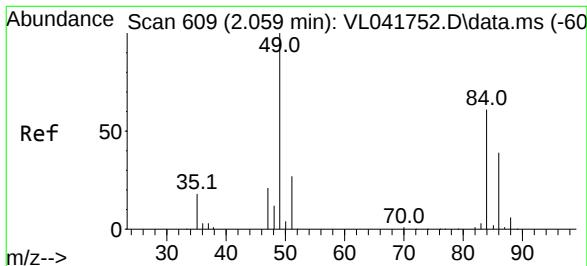
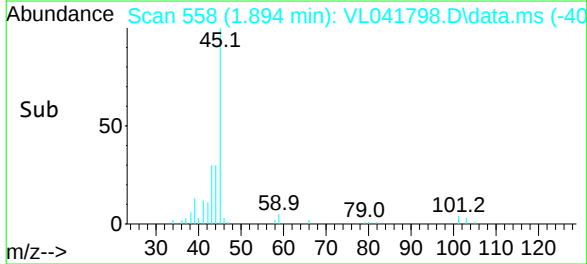
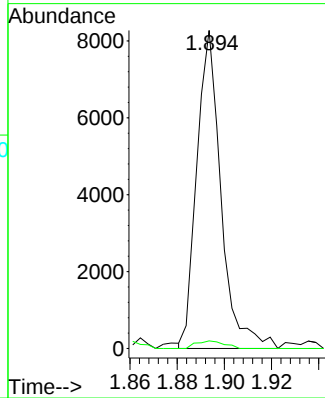
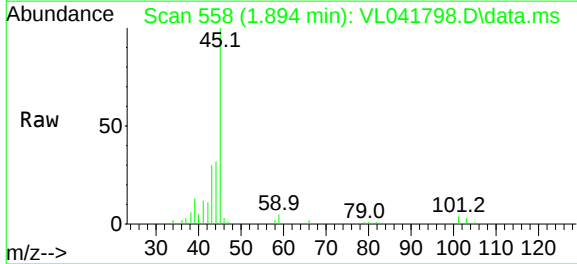
#19
Isopropyl Alcohol
Concen: 0.700 ppbv
RT: 1.894 min Scan# 555
Delta R.T. 0.009 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP

Tgt Ion: 45 Resp: 5895
Ion Ratio Lower Upper
45 100
58 126.6 33.3 49.9#

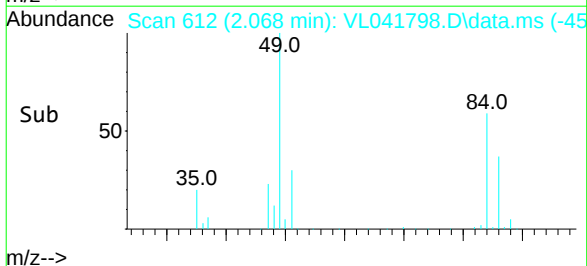
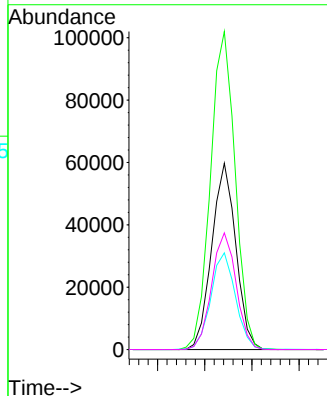
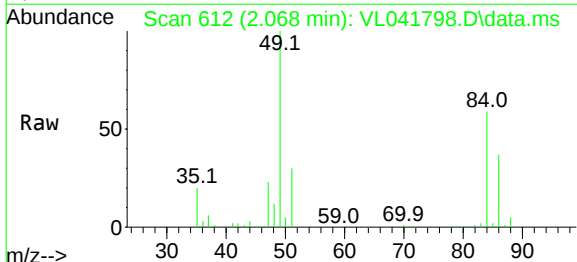
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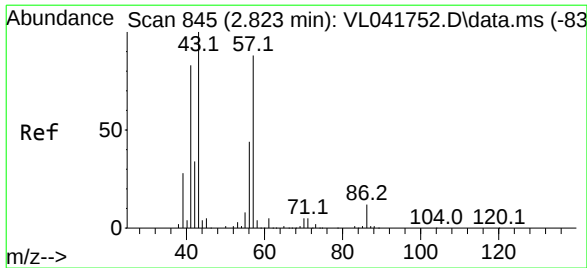
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#20
Methylene Chloride
Concen: 10.643 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

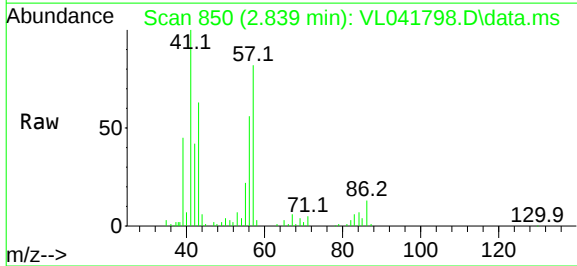
Tgt Ion: 84 Resp: 42585
Ion Ratio Lower Upper
84 100
49 170.7 132.6 198.8
51 51.8 37.6 56.4
86 62.6 51.4 77.0





#26
Hexane
Concen: 1.484 ppbv
RT: 2.839 min Scan# 851
Delta R.T. 0.016 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

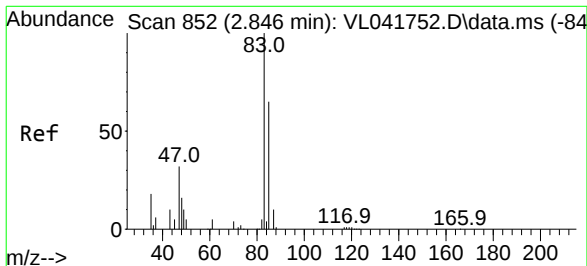
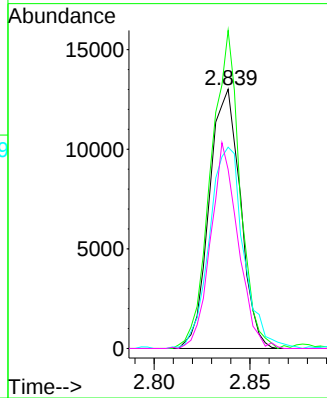
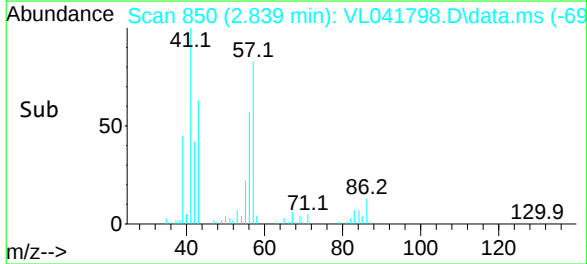
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 57 Resp: 14701
Ion Ratio Lower Upper
57 100
41 116.7 79.6 119.4
43 86.3 211.0 316.6#
56 69.8 42.6 63.8#

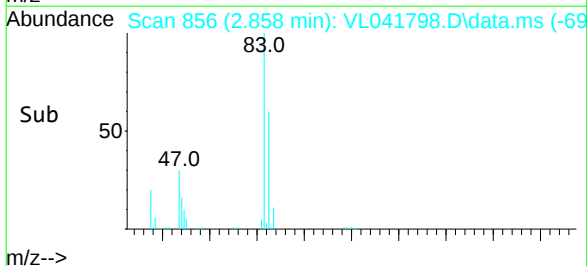
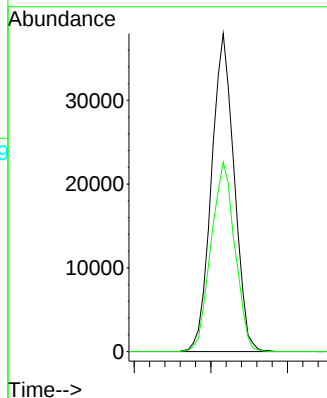
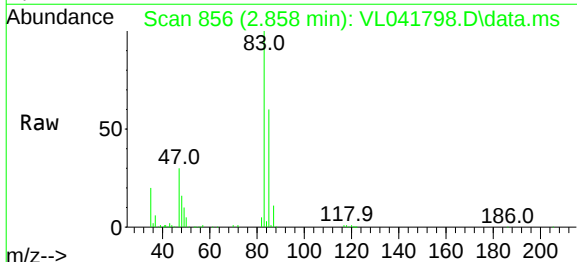
Manual Integrations
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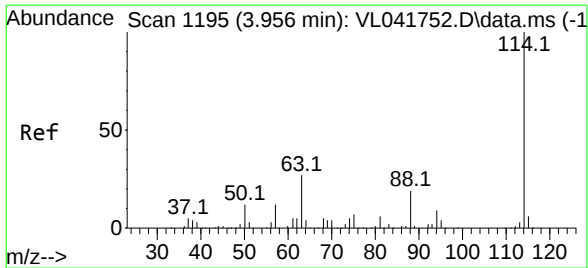
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#29
Chloroform
Concen: 2.587 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.013 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

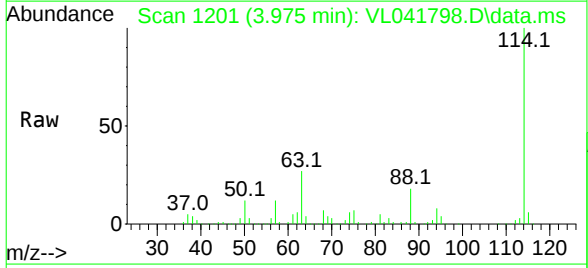
Tgt Ion: 83 Resp: 39051
Ion Ratio Lower Upper
83 100
85 59.6 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 12
Delta R.T. 0.019 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

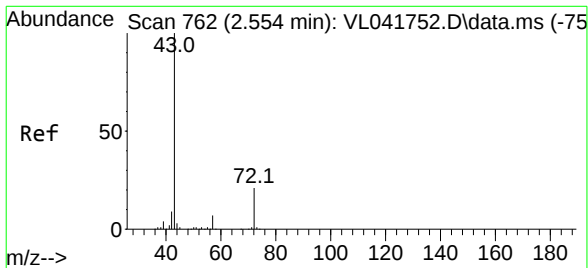
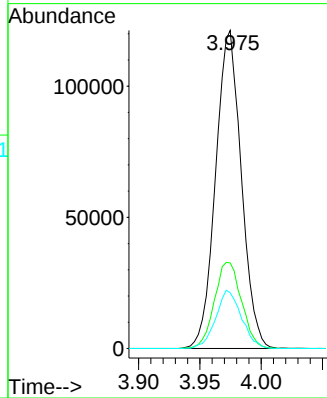
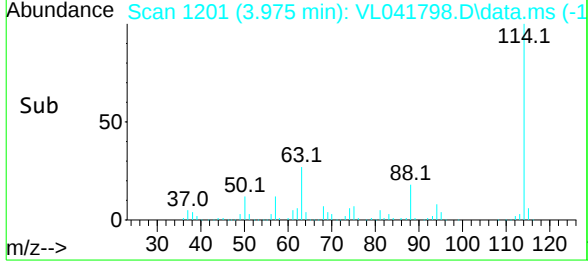
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 114 Resp: 176581
Ion Ratio Lower Upper
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63 28.6 21.8 32.8
88 18.3 14.8 22.2

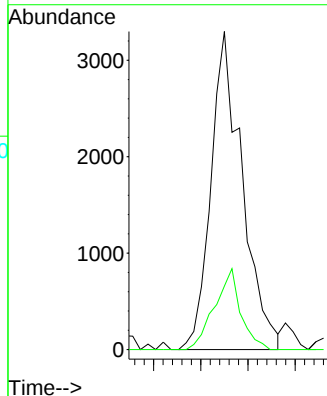
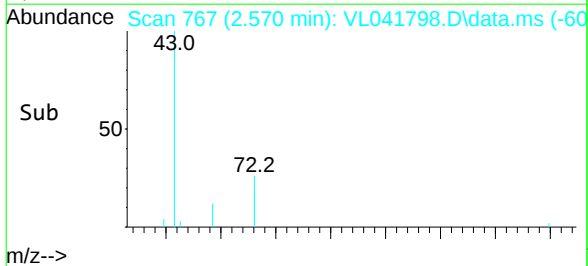
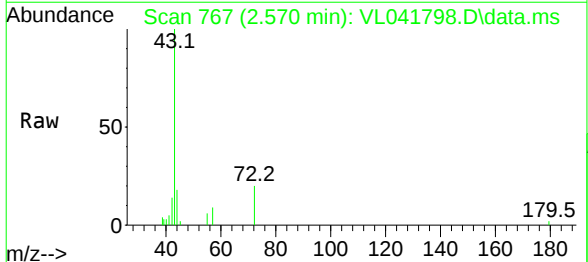
Manual Integrations
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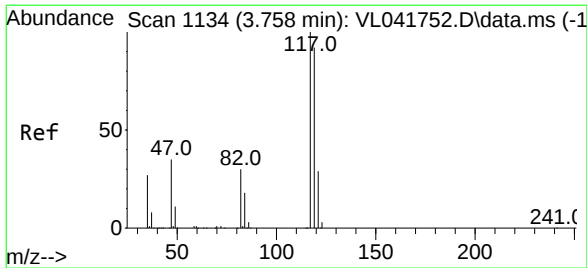
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#34
2-Butanone
Concen: 0.214 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
72 21.2 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.072 ppbv

RT: 3.774 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041798.D

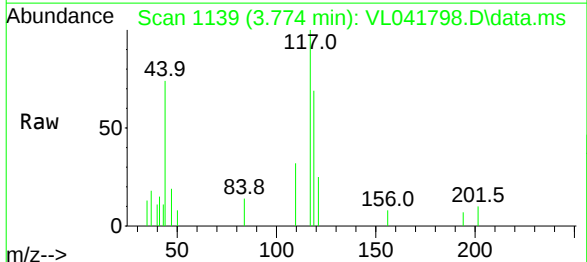
Acq: 18 Dec 2024 17:43

Instrument :

MSVOA_L

ClientSampleId :

C0AB9DUP

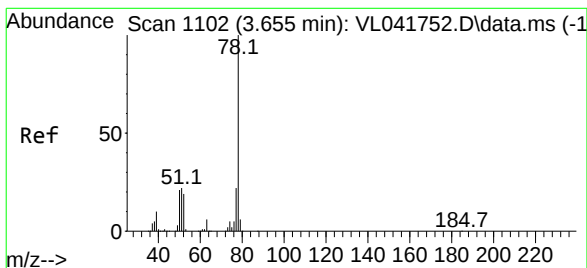
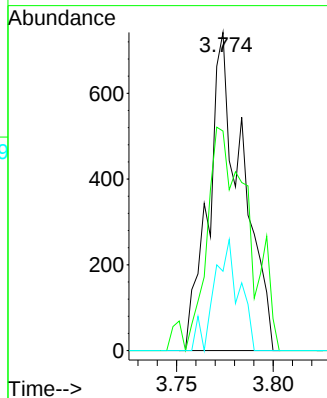
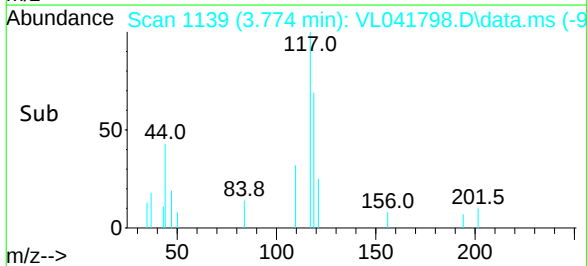


Tgt	Ion:117	Resp:	901
Ion	Ratio	Lower	Upper
117	100		
119	69.0	73.7	110.5#
121	24.9	23.0	34.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#36

Benzene

Concen: 0.225 ppbv

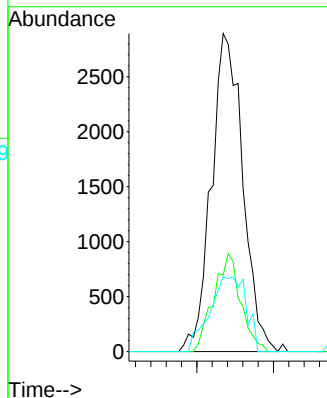
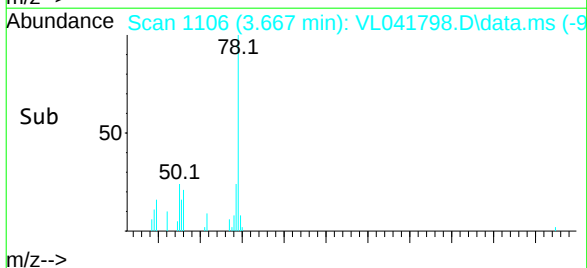
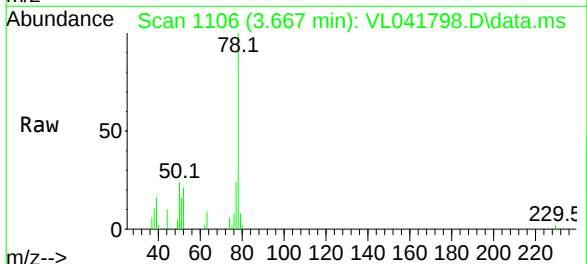
RT: 3.667 min Scan# 1106

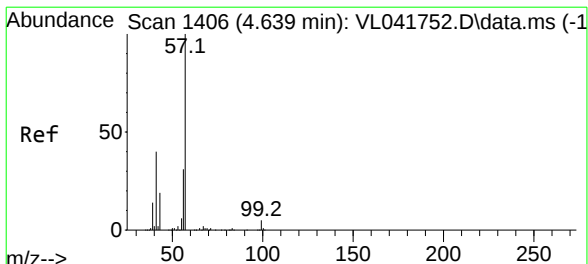
Delta R.T. 0.012 min

Lab File: VL041798.D

Acq: 18 Dec 2024 17:43

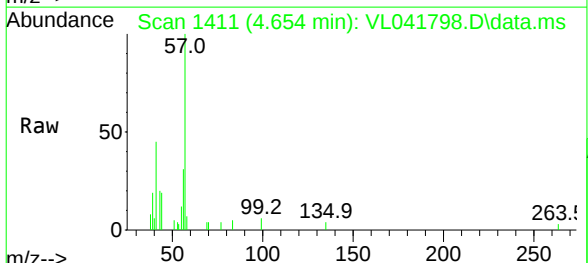
Tgt	Ion: 78	Resp:	4108
Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.8	26.6
50	23.5	17.2	25.8





#44
2,2,4-Trimethylpentane
Concen: 0.123 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.016 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

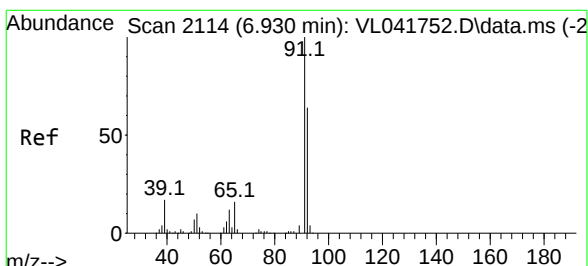
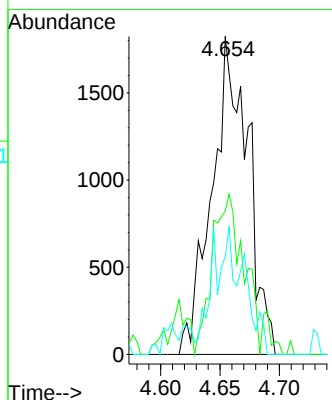
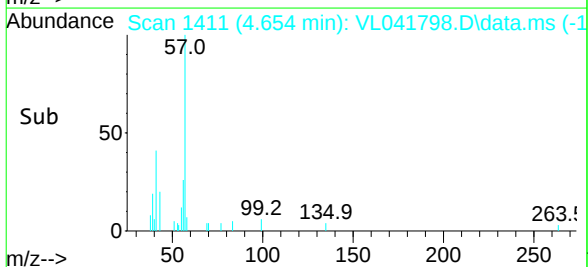
Instrument : MSVOA_L
ClientSampleId : C0AB9DUP



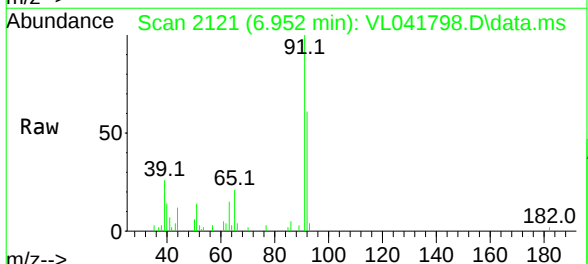
Tgt Ion	Ratio	Lower	Upper
57	100		
41	55.9	30.7	46.1
56	40.8	25.4	38.0

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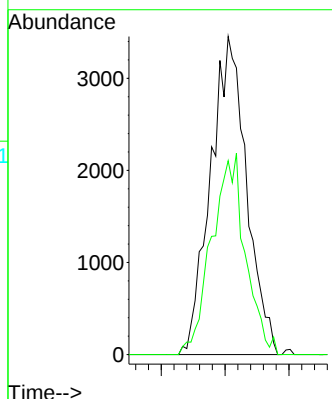
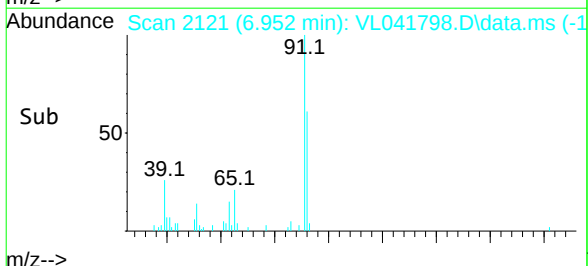
Reviewed By :Semsettin Yesilyurt 12/19/2024
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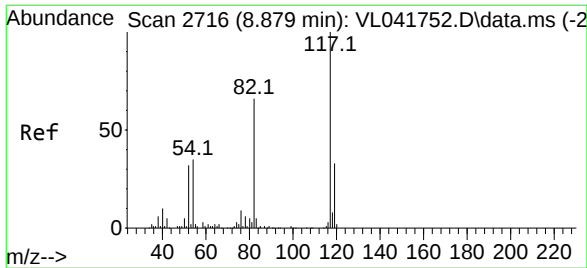


#53
Toluene
Concen: 0.328 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. 0.022 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43



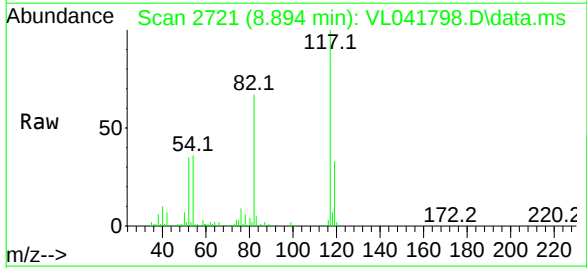
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.9	71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2716
Delta R.T. 0.016 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

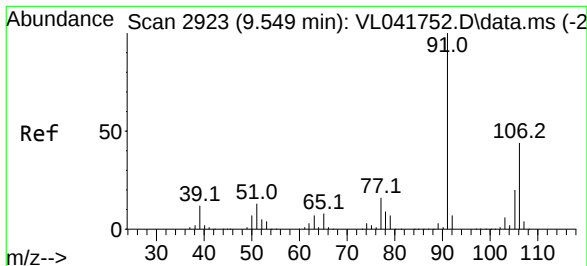
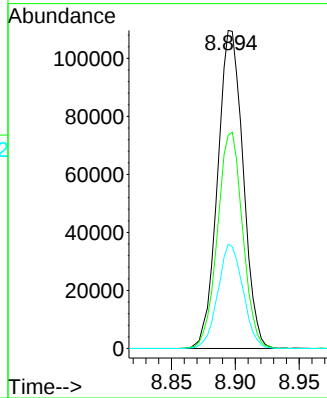
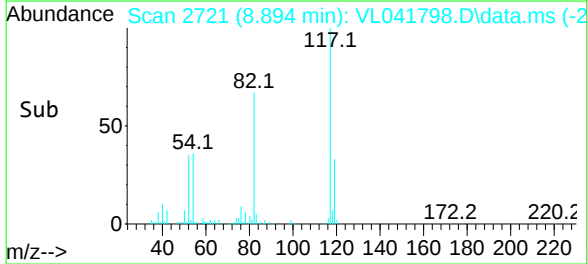
Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 117 Resp: 152305
Ion Ratio Lower Upper
117 100
82 67.1 53.8 80.8
119 32.2 26.7 40.1

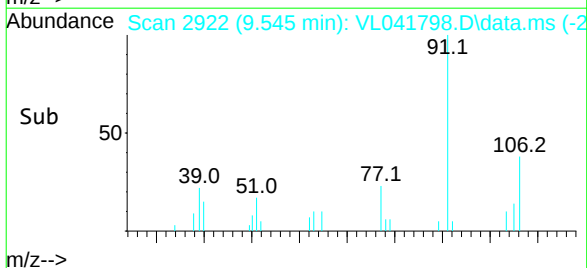
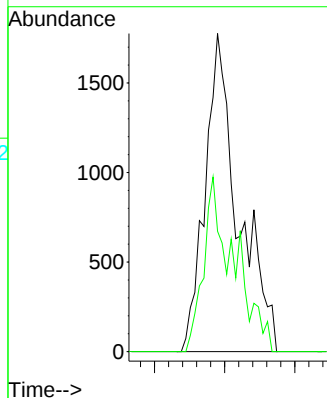
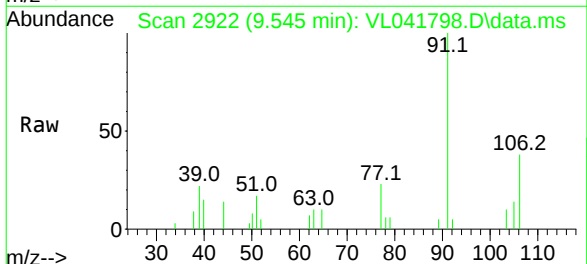
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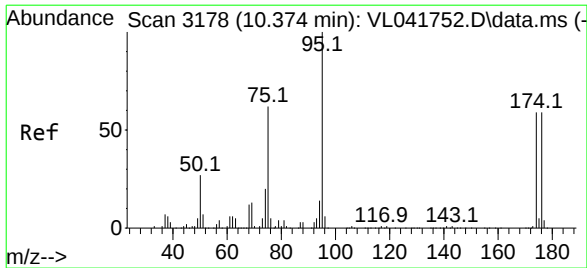
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#59
m/p-Xylene
Concen: 0.132 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.004 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

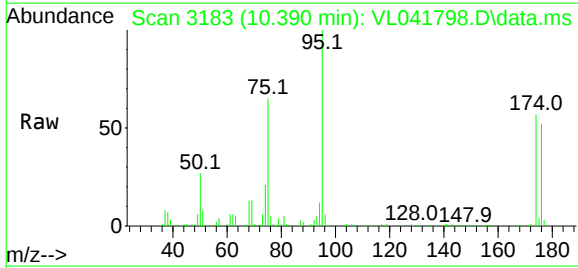
Tgt Ion: 91 Resp: 2914
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.104 ppbv
RT: 10.390 min Scan# 3178
Delta R.T. 0.016 min
Lab File: VL041798.D
Acq: 18 Dec 2024 17:43

Instrument :
MSVOA_L
ClientSampleId :
C0AB9DUP



Tgt Ion: 95 Resp: 128237
Ion Ratio Lower Upper
95 100
174 58.1 47.6 71.4
175 4.5 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

