

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041799.D
 Acq On : 18 Dec 2024 18:17
 Operator : SY/MD
 Sample : P5293-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC0

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 07:57:10 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	71492	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	174715	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	153485	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 133546 10.441 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	4954	0.389	ppbv	98
3) Chlorodifluoromethane	1.479	51	2696m	0.231	ppbv	
4) Chloromethane	1.538	50	2275	0.457	ppbv	93
9) Propene	1.492	41	46494	9.201	ppbv #	64
10) Heptane	5.004	43	1599m	0.123	ppbv	
11) Trichlorofluoromethane	1.884	101	2734	0.202	ppbv	99
13) Ethanol	1.725	45	20973	50.123	ppbv	96
15) Acetone	1.842	43	72299	5.198	ppbv	92
19) Isopropyl Alcohol	1.894	45	10160	1.217	ppbv #	1
20) Methylene Chloride	2.068	84	2867	0.723	ppbv	90
25) Ethyl Acetate	2.842	43	4266m	0.165	ppbv	
29) Chloroform	2.861	83	5485	0.367	ppbv	100
34) 2-Butanone	2.570	43	5913	0.421	ppbv	98
35) Carbon Tetrachloride	3.793	117	863m	0.070	ppbv	
36) Benzene	3.670	78	4287	0.237	ppbv #	87
53) Toluene	6.952	91	12028	0.587	ppbv	99
59) m/p-Xylene	9.545	91	4510m	0.203	ppbv	

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

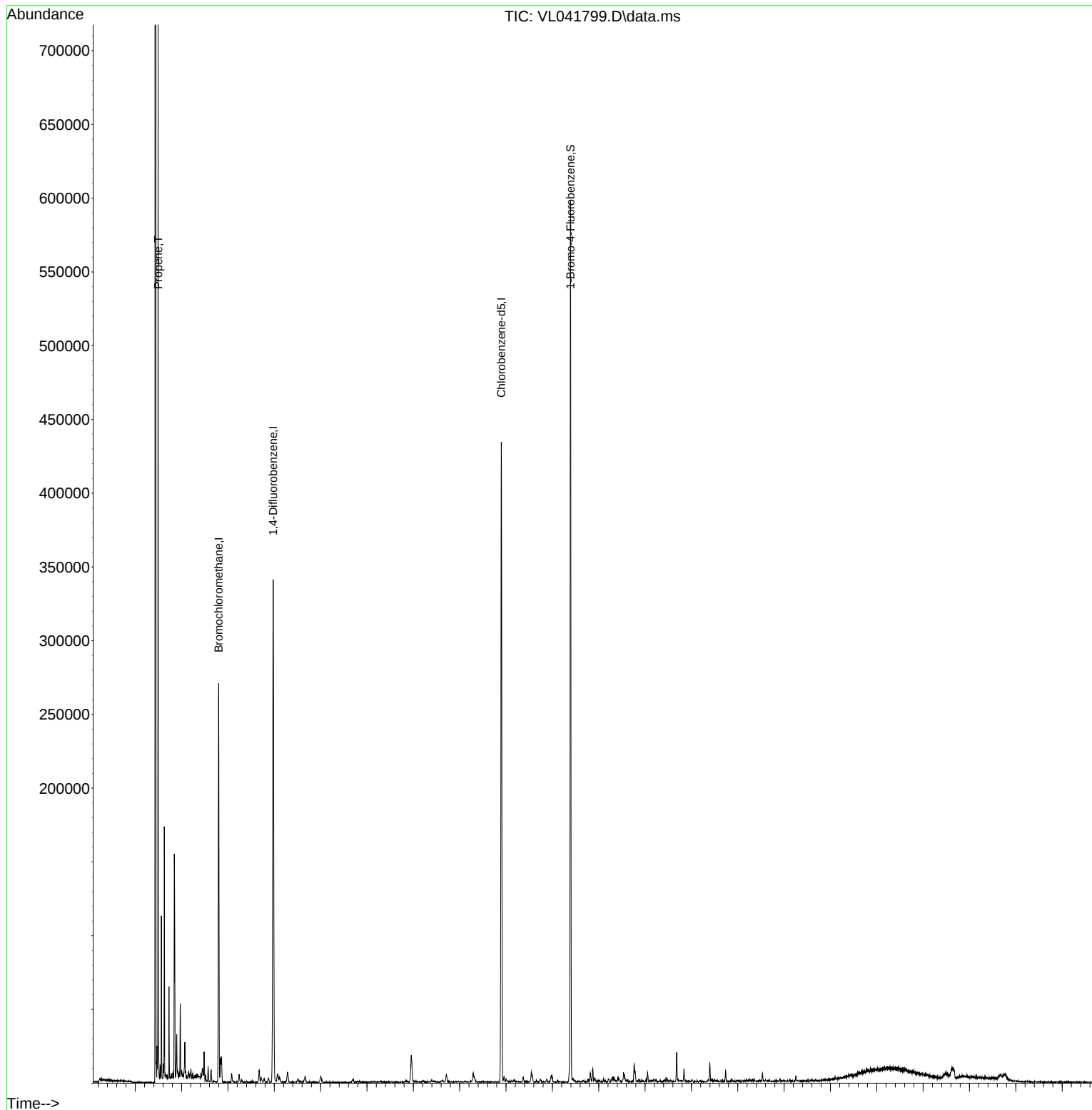
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041799.D
Acq On : 18 Dec 2024 18:17
Operator : SY/MD
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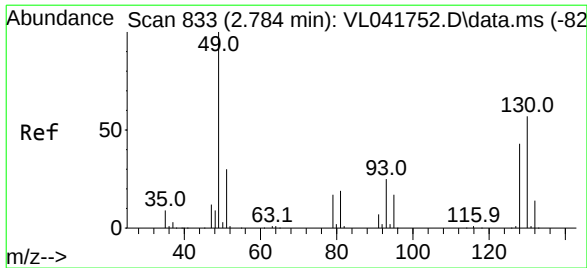
Instrument :
MSVOA_L
ClientSampleId :
C0AC0

Quant Time: Dec 19 07:57:10 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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Supervised By : Mahesh Dadoda 12/19/2024





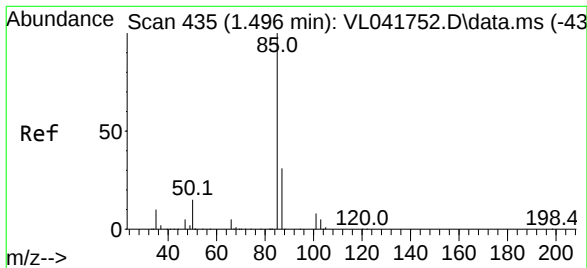
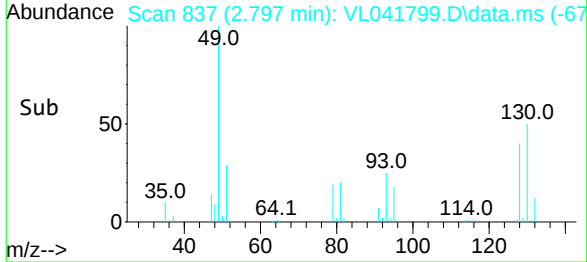
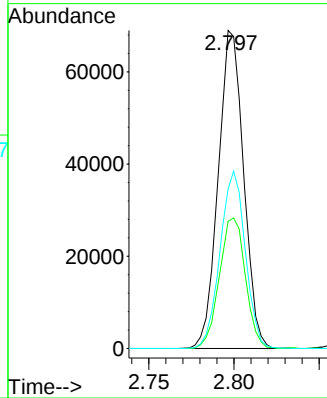
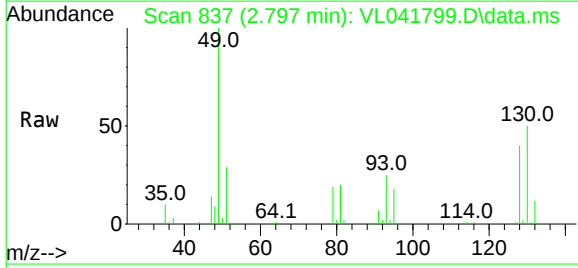
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 833
Delta R.T. 0.013 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Instrument :
MSVOA_L
ClientSampleId :
C0AC0

Tgt Ion:	49	Resp:	71492
Ion	Ratio	Lower	Upper
49	100		
128	42.1	21.6	64.6
130	55.4	28.3	85.0

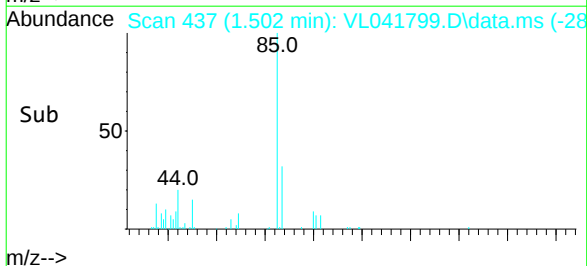
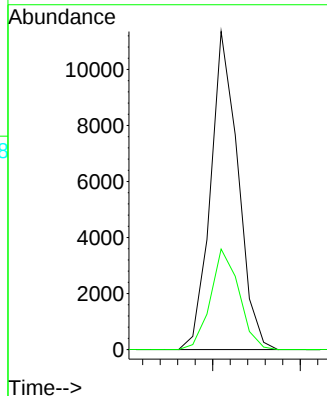
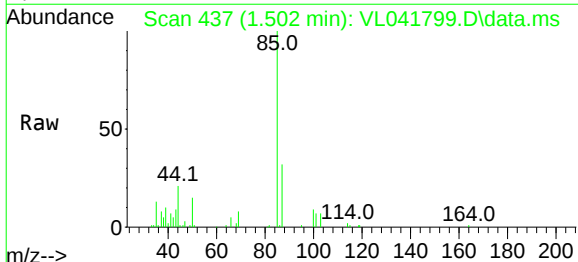
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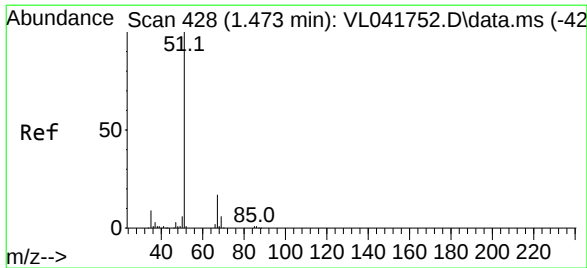
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.389 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Tgt Ion:	85	Resp:	4954
Ion	Ratio	Lower	Upper
85	100		
87	31.6	24.5	36.7





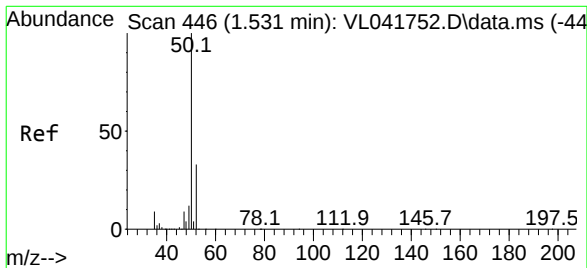
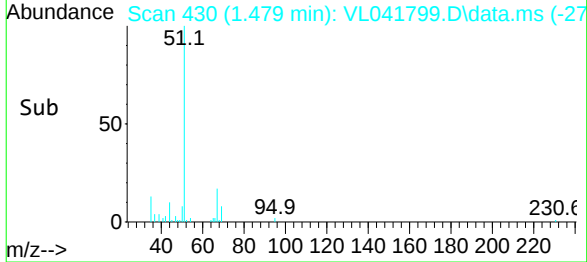
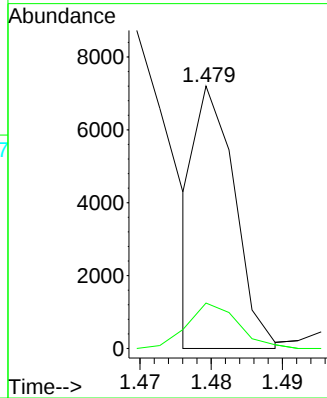
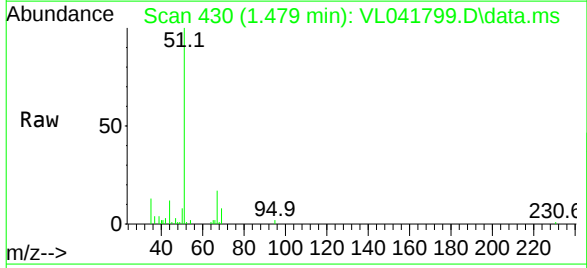
#3
Chlorodifluoromethane
Concen: 0.231 ppbv m
RT: 1.479 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Instrument :
MSVOA_L
ClientSampleId :
C0AC0

Tgt Ion: 51 Resp: 2696
Ion Ratio Lower Upper
51 100
67 23.1 15.0 22.4#

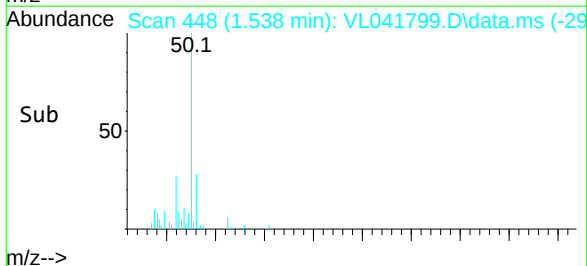
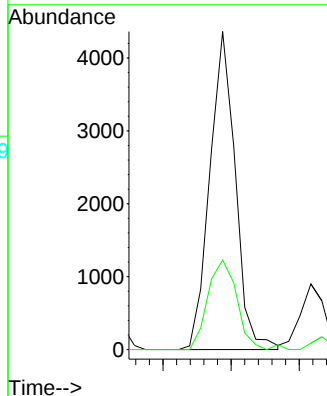
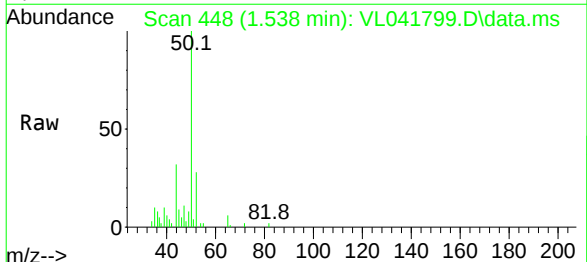
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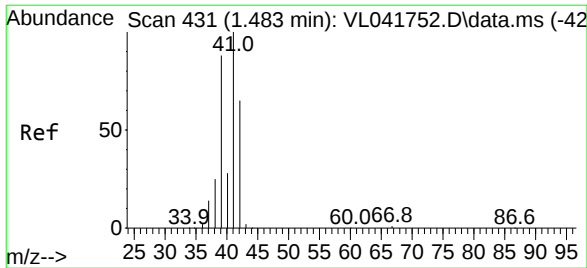
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#4
Chloromethane
Concen: 0.457 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

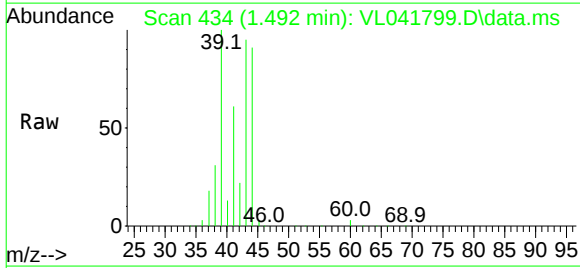
Tgt Ion: 50 Resp: 2275
Ion Ratio Lower Upper
50 100
52 28.5 26.2 39.2





#9
Propene
Concen: 9.201 ppbv
RT: 1.492 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

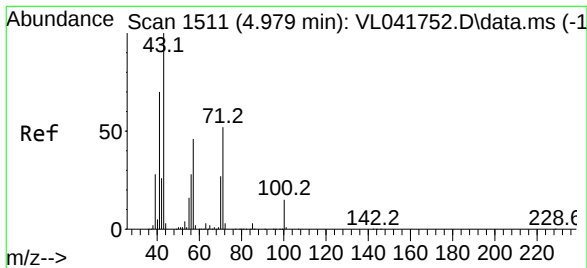
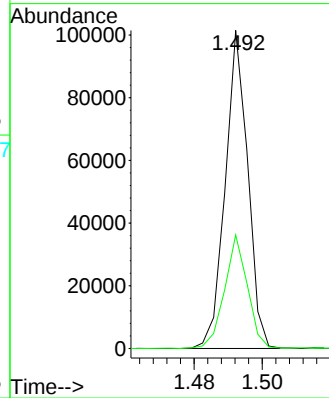
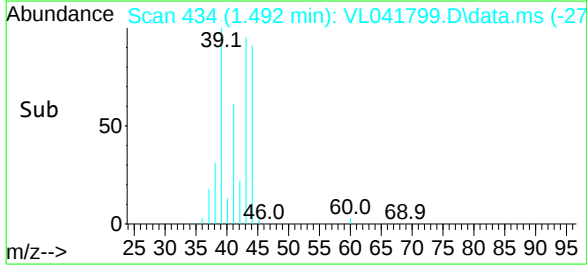
Instrument :
MSVOA_L
ClientSampleId :
C0AC0



Tgt Ion: 41 Resp: 46494
Ion Ratio Lower Upper
41 100
42 36.9 52.4 78.6#

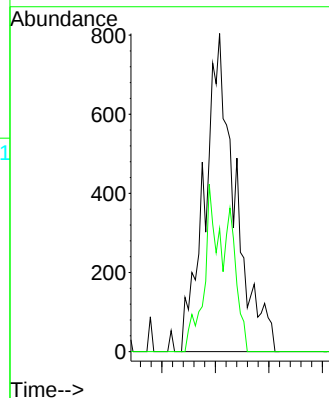
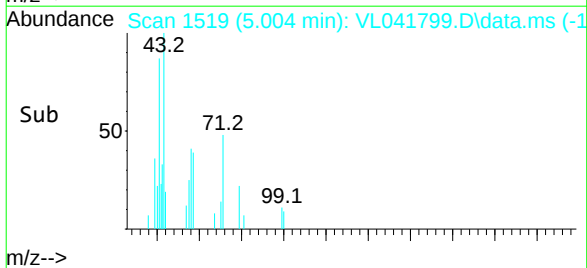
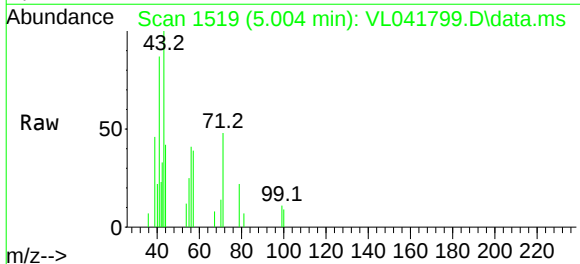
Manual Integrations
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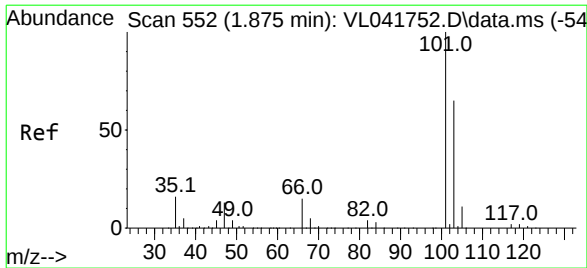
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#10
Heptane
Concen: 0.123 ppbv m
RT: 5.004 min Scan# 1519
Delta R.T. 0.025 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

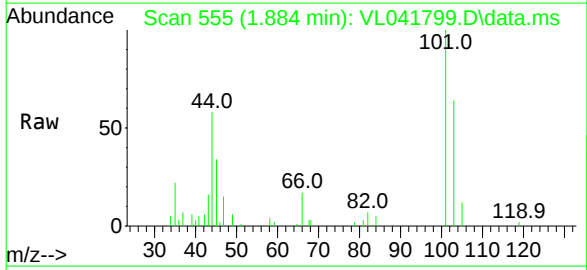
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
57 0.0 38.5 57.7#





#11
Trichlorofluoromethane
Concen: 0.202 ppbv
RT: 1.884 min Scan# 552
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

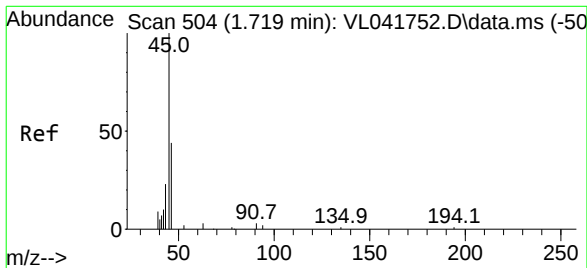
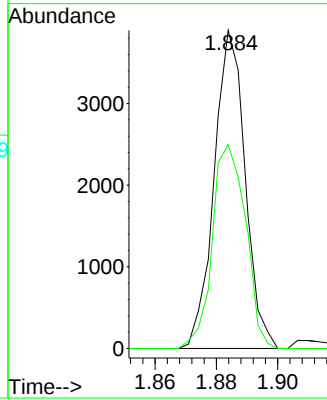
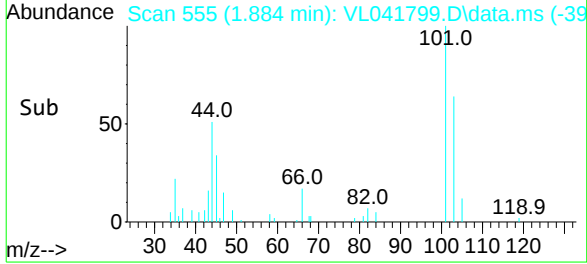
Instrument :
MSVOA_L
ClientSampleId :
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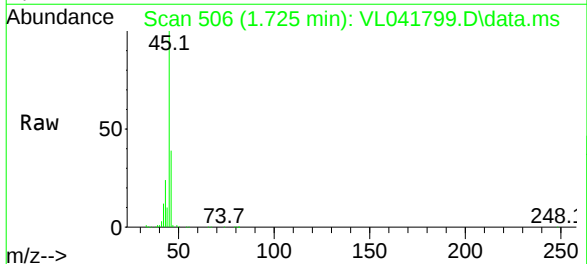
Tgt Ion: 101 Resp: 2734
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

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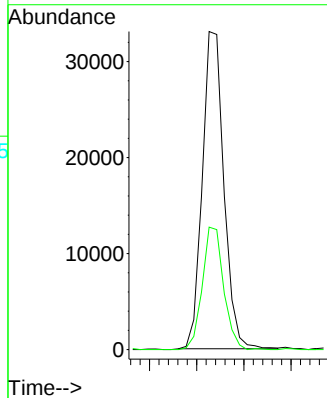
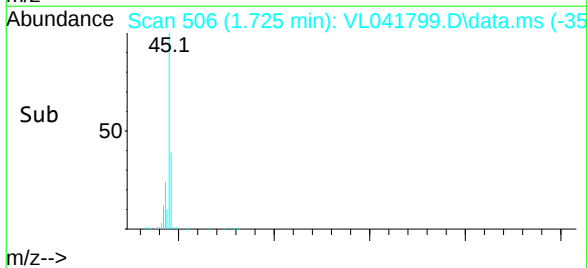
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

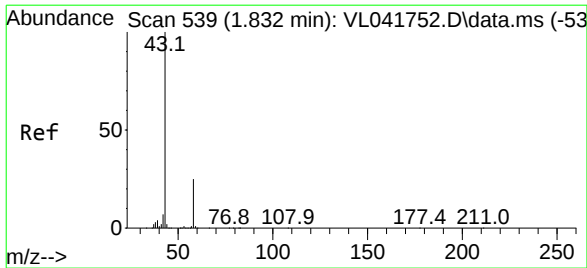


#13
Ethanol
Concen: 50.123 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17



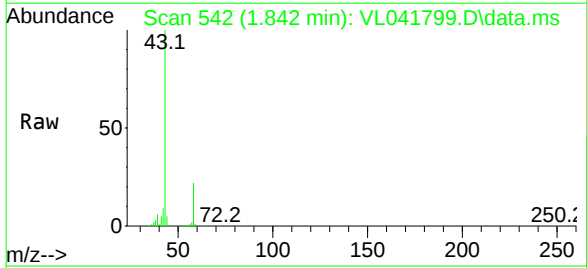
Tgt Ion: 45 Resp: 20973
Ion Ratio Lower Upper
45 100
46 38.6 16.4 65.8





#15
Acetone
Concen: 5.198 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

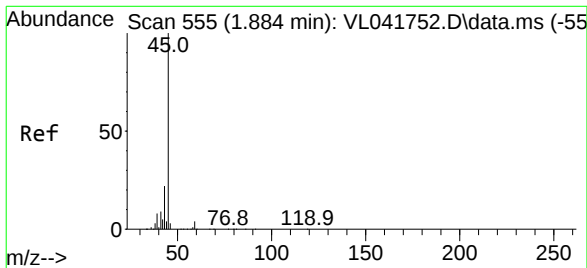
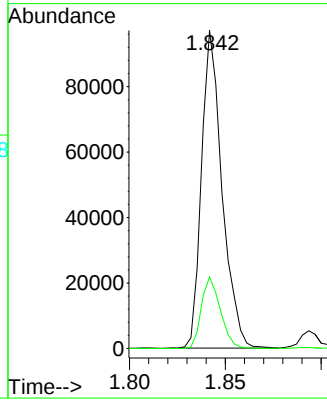
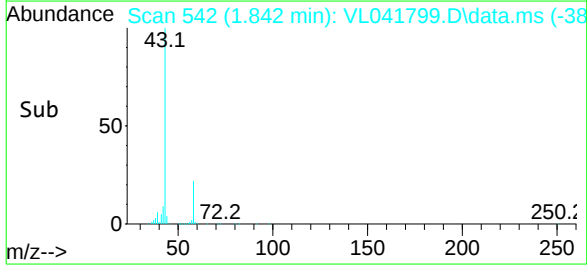
Instrument :
MSVOA_L
ClientSampleId :
C0AC0



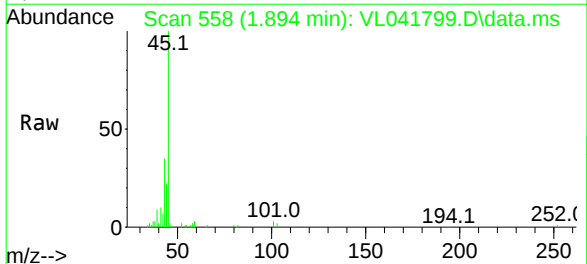
Tgt Ion: 43 Resp: 72299
Ion Ratio Lower Upper
43 100
58 20.8 19.7 29.5

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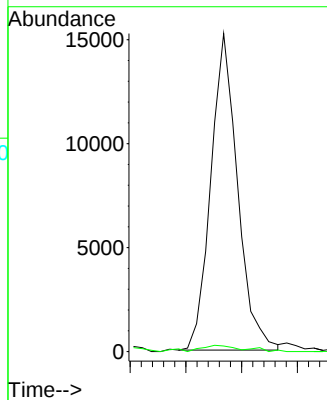
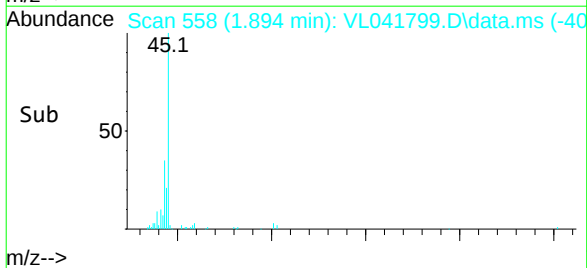
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

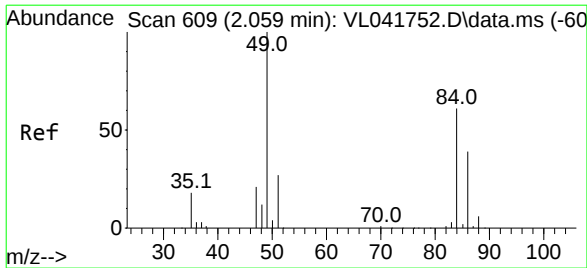


#19
Isopropyl Alcohol
Concen: 1.217 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17



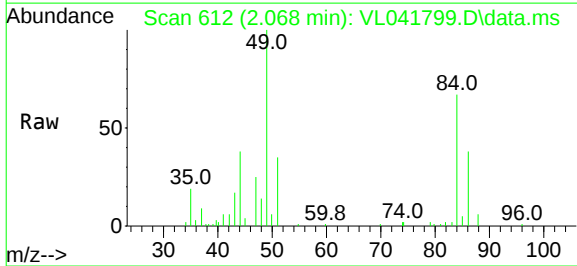
Tgt Ion: 45 Resp: 10160
Ion Ratio Lower Upper
45 100
58 147.9 33.3 49.9#





#20
Methylene Chloride
Concen: 0.723 ppbv
RT: 2.068 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

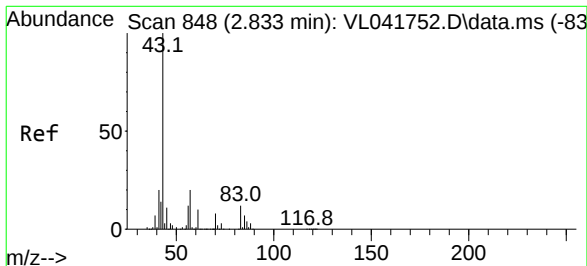
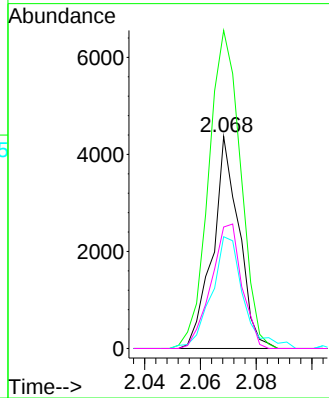
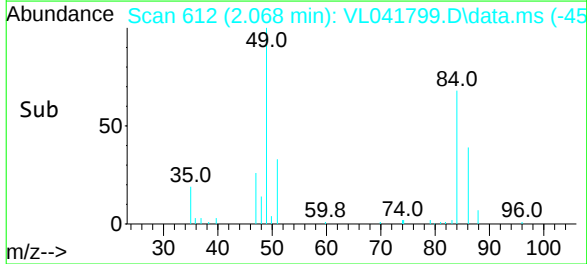
Instrument :
MSVOA_L
ClientSampleId :
C0AC0



Tgt Ion:	84	Resp:	2867
Ion	Ratio	Lower	Upper
84	100		
49	150.1	132.6	198.8
51	51.2	37.6	56.4
86	57.3	51.4	77.0

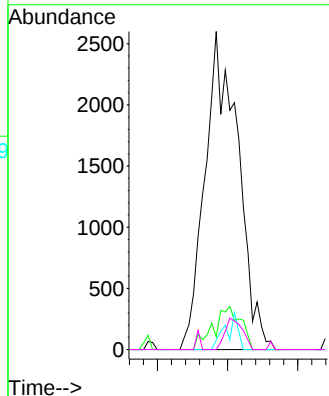
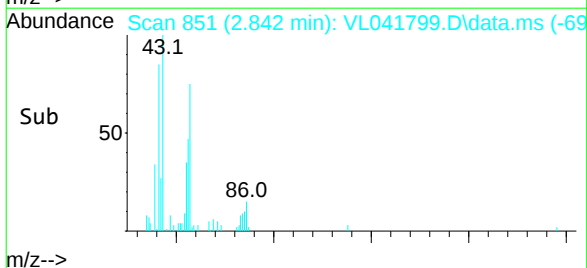
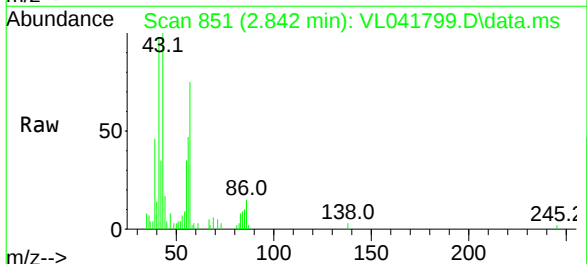
Manual Integrations
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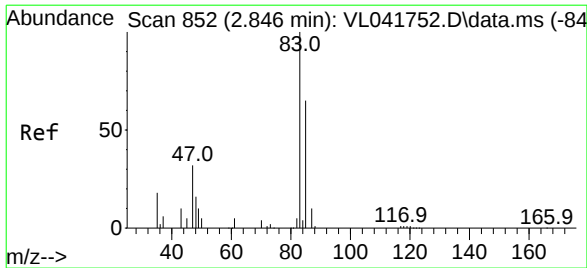
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#25
Ethyl Acetate
Concen: 0.165 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. 0.009 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Tgt Ion:	43	Resp:	4266
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.0	10.6#
70	0.0	6.5	9.7#





#29

Chloroform

Concen: 0.367 ppbv

RT: 2.861 min Scan# 85

Delta R.T. 0.016 min

Lab File: VL041799.D

Acq: 18 Dec 2024 18:17

Instrument :

MSVOA_L

ClientSampleId :

C0AC0

Tgt Ion: 83 Resp: 5485

Ion Ratio Lower Upper

83 100

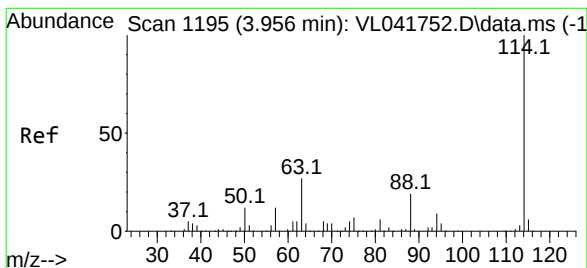
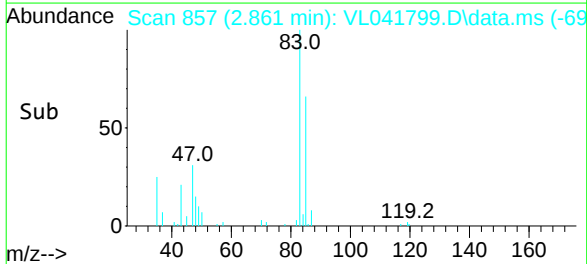
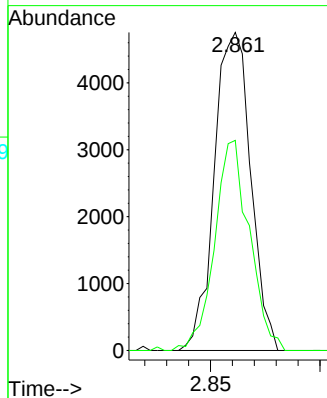
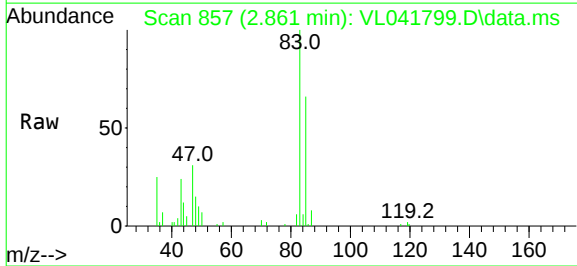
85 64.5 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/19/2024

Supervised By :Mahesh Dadoda 12/19/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. 0.019 min

Lab File: VL041799.D

Acq: 18 Dec 2024 18:17

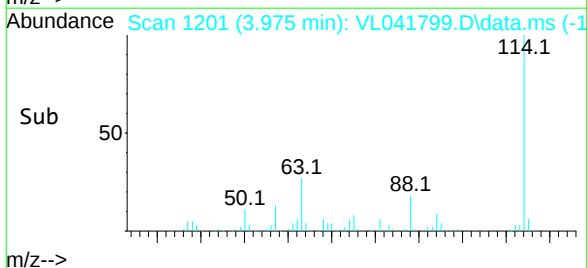
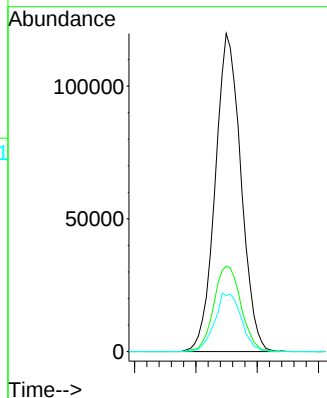
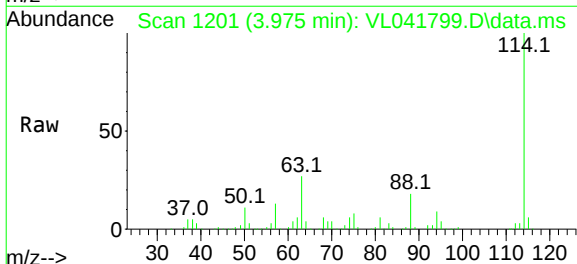
Tgt Ion:114 Resp: 174715

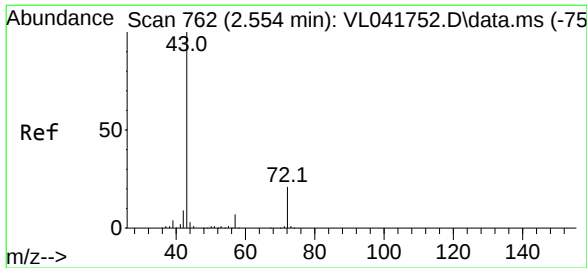
Ion Ratio Lower Upper

114 100

63 28.4 21.8 32.8

88 18.9 14.8 22.2





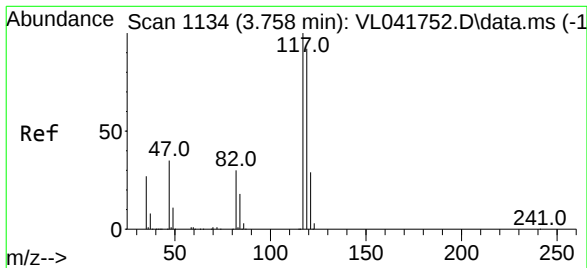
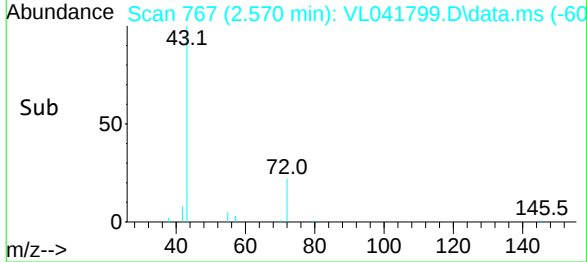
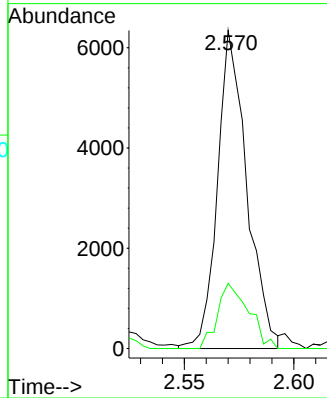
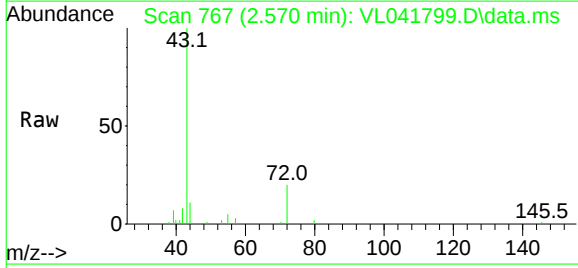
#34
2-Butanone
Concen: 0.421 ppbv
RT: 2.570 min Scan# 762
Delta R.T. 0.016 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Instrument :
MSVOA_L
ClientSampleId :
C0AC0

Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
72 21.8 16.8 25.2

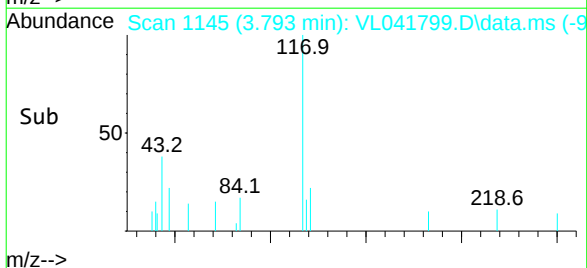
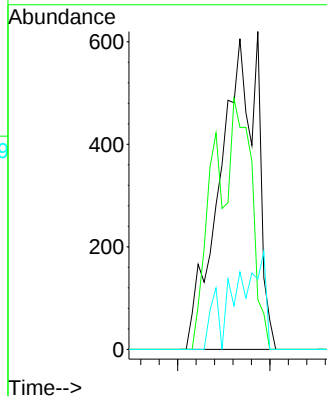
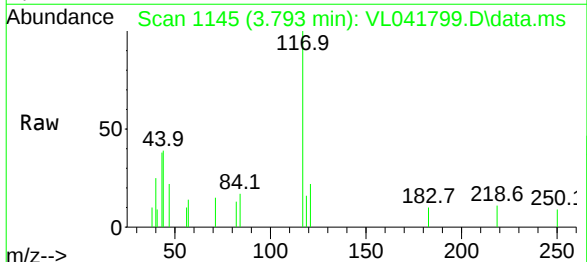
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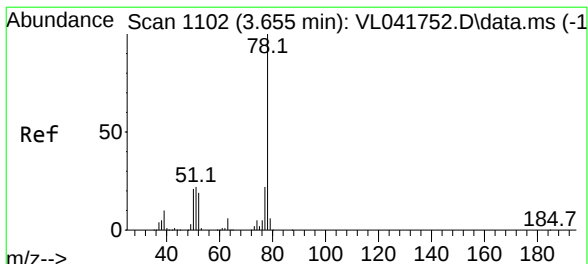
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 3.793 min Scan# 1145
Delta R.T. 0.035 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

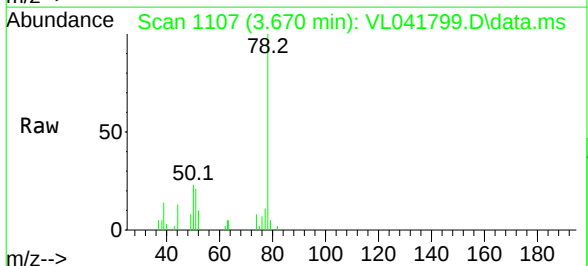
Tgt Ion:117 Resp: 863
Ion Ratio Lower Upper
117 100
119 15.6 73.7 110.5#
121 22.1 23.0 34.4#





#36
Benzene
Concen: 0.237 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

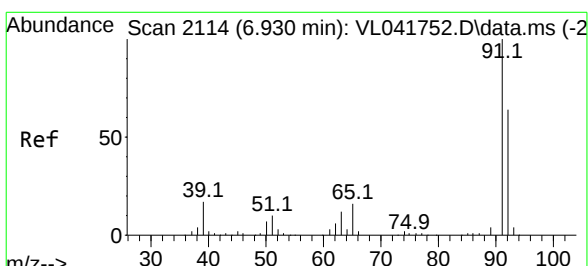
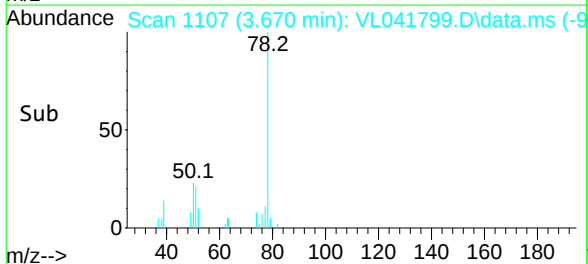
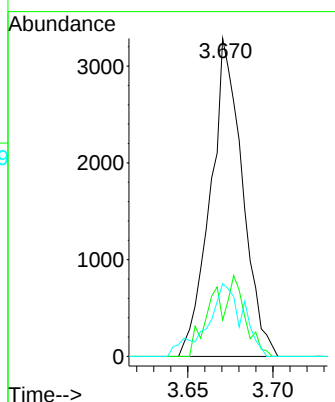
Instrument : MSVOA_L
ClientSampleId : C0AC0



Tgt Ion: 78	Resp: 4287
Ion Ratio	Lower Upper
78	100
77	11.4 17.8 26.6
50	22.9 17.2 25.8

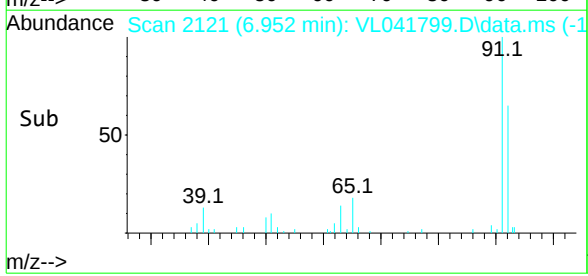
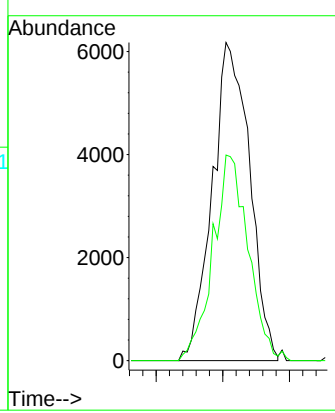
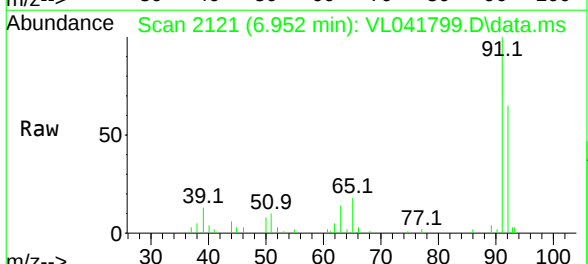
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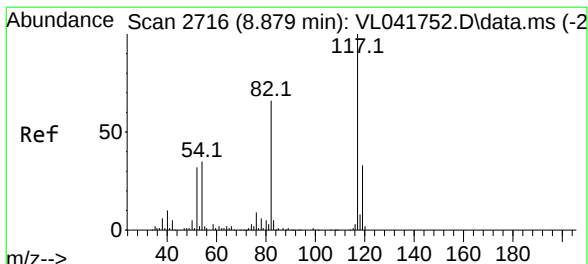
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#53
Toluene
Concen: 0.587 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. 0.022 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

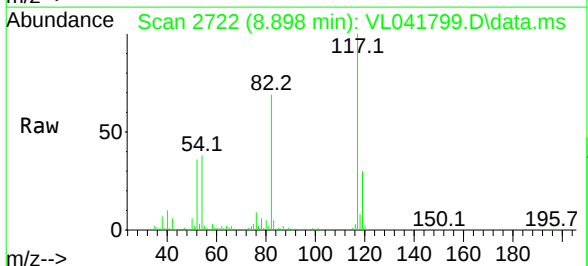
Tgt Ion: 91	Resp: 12028
Ion Ratio	Lower Upper
91	100
92	61.0 47.9 71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2716
Delta R.T. 0.019 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Instrument :
MSVOA_L
ClientSampleId :
C0AC0

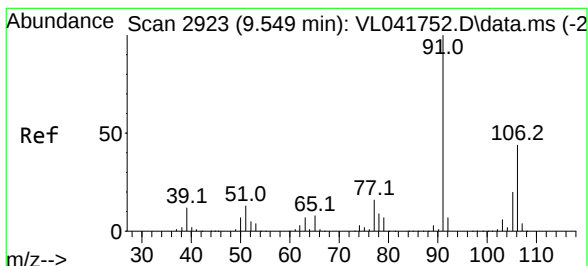
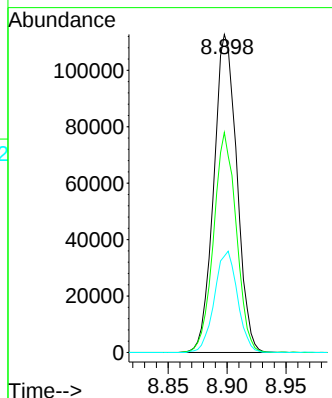
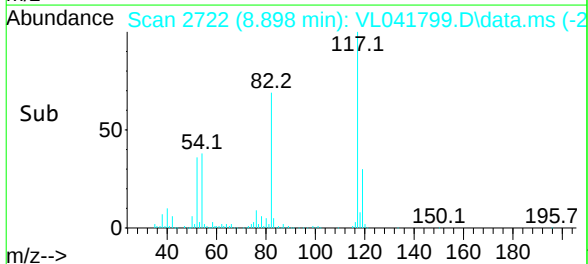


Tgt Ion: 117 Resp: 153485

Ion	Ratio	Lower	Upper
117	100		
82	68.0	53.8	80.8
119	31.9	26.7	40.1

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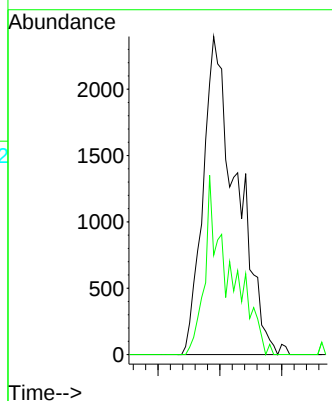
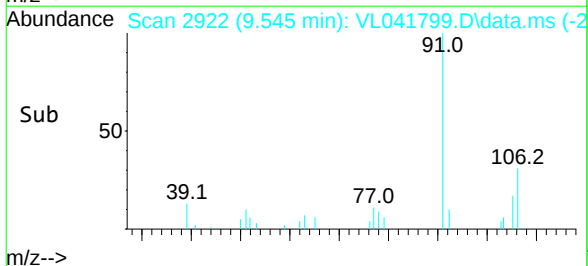
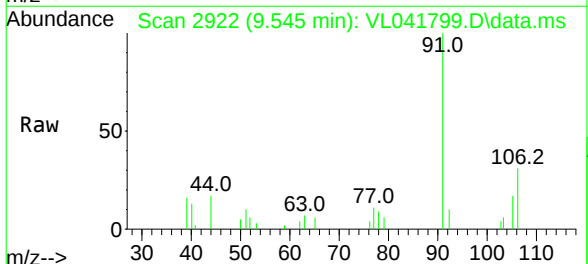
Reviewed By : Semsettin Yesilyurt 12/19/2024
Supervised By : Mahesh Dadoda 12/19/2024

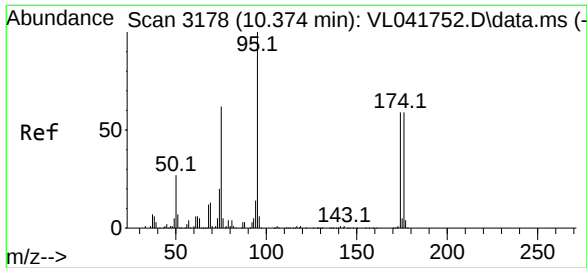


#59
m/p-Xylene
Concen: 0.203 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.004 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Tgt Ion: 91 Resp: 4510

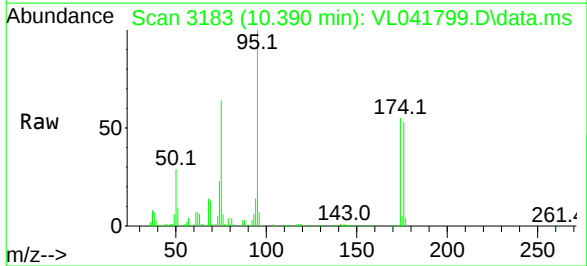
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.441 ppbv
RT: 10.390 min Scan# 3178
Delta R.T. 0.016 min
Lab File: VL041799.D
Acq: 18 Dec 2024 18:17

Instrument :
MSVOA_L
ClientSampleId :
C0AC0



Tgt Ion: 95 Resp: 133546
Ion Ratio Lower Upper
95 100
174 57.6 47.6 71.4
175 4.6 3.7 5.5

Manual Integrations
APPROVED

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

