

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041807.D
 Acq On : 18 Dec 2024 22:37
 Operator : SY/MD
 Sample : P5295-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC8

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 08:00:48 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	73010	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.972	114	173625	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	170332	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	135837	9.570	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1539	0.118	ppbv	91
9) Propene	1.486	41	1398m	0.271	ppbv	
13) Ethanol	1.725	45	11589	27.120	ppbv #	34
15) Acetone	1.842	43	9724	0.685	ppbv	94
17) tert-Butyl alcohol	2.049	59	1952	0.139	ppbv #	78
19) Isopropyl Alcohol	1.894	45	7976	0.936	ppbv #	39
20) Methylene Chloride	2.068	84	1631	0.403	ppbv	92
25) Ethyl Acetate	2.849	43	3744	0.142	ppbv #	87
26) Hexane	2.842	57	1571	0.157	ppbv #	88
34) 2-Butanone	2.570	43	2830	0.203	ppbv	96
38) Trichloroethene	4.564	130	1098m	0.144	ppbv	
41) Tetrahydrofuran	3.078	42	1030	0.132	ppbv	93
52) Tetrachloroethene	8.241	164	184475	27.596	ppbv	93
53) Toluene	6.949	91	17152	0.842	ppbv	100
58) Ethyl Benzene	9.364	91	3771	0.123	ppbv	91
59) m/p-Xylene	9.542	91	8895m	0.361	ppbv	
60) o-Xylene	9.972	91	3367	0.136	ppbv	100

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

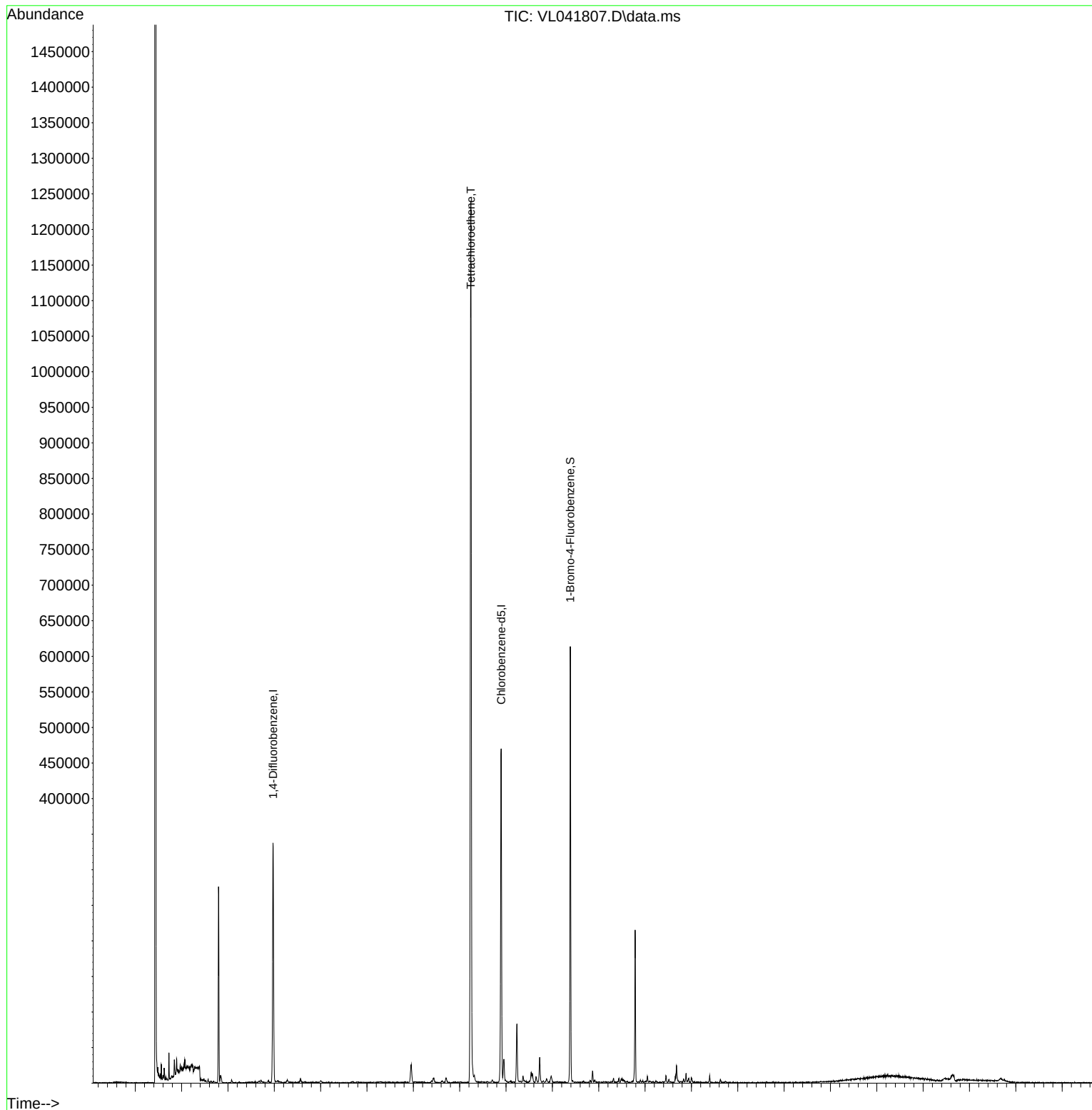
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041807.D
Acq On : 18 Dec 2024 22:37
Operator : SY/MD
Sample : P5295-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

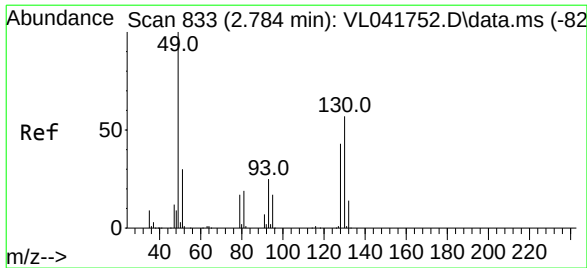
Instrument :
MSVOA_L
ClientSampleId :
C0AC8

Quant Time: Dec 19 08:00:48 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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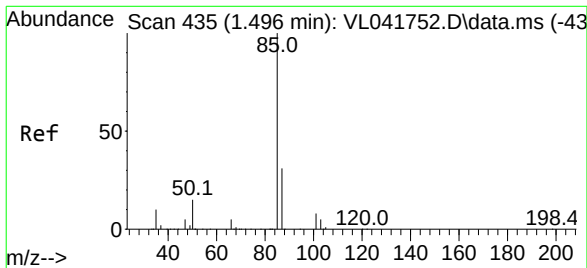
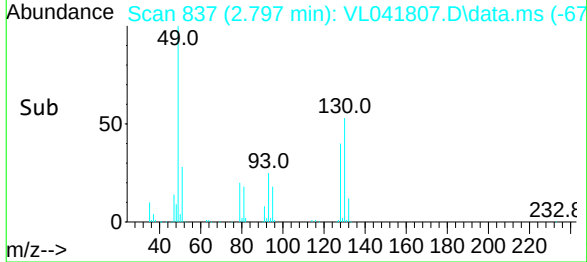
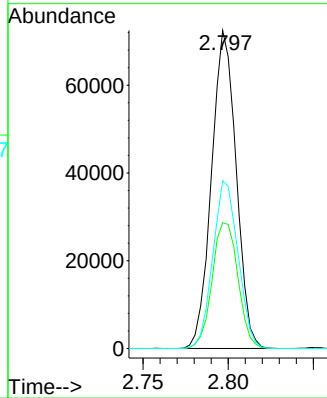
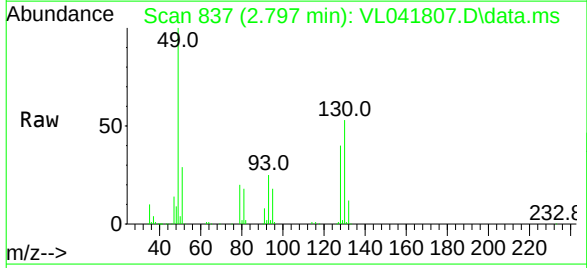
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 833
Delta R.T. 0.013 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

Instrument :
MSVOA_L
ClientSampleId :
C0AC8

Tgt Ion:	49	Resp:	73010
Ion	Ratio	Lower	Upper
49	100		
128	41.4	21.6	64.6
130	53.9	28.3	85.0

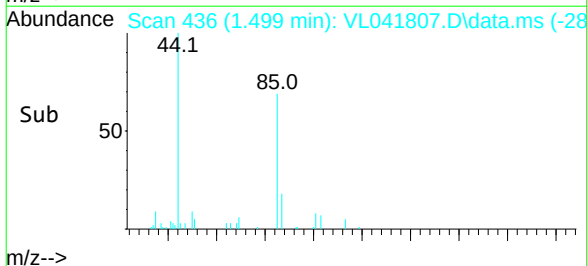
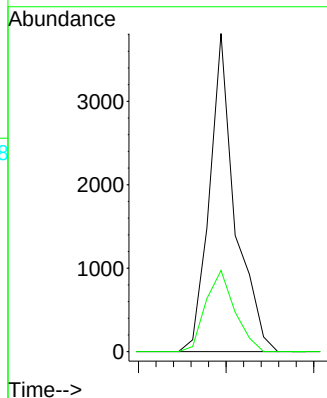
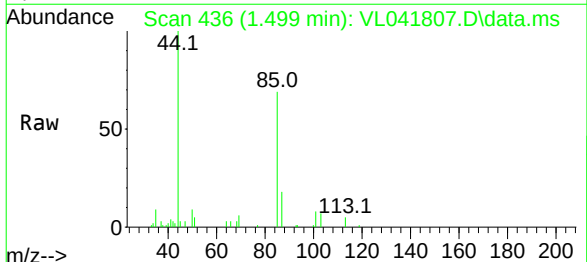
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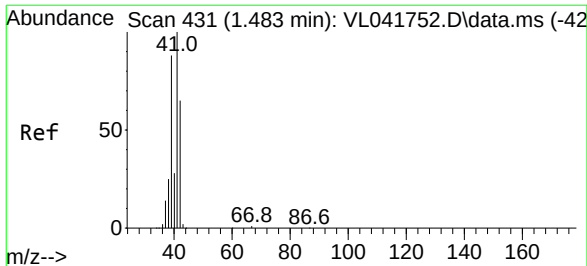
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

Tgt Ion:	85	Resp:	1539
Ion	Ratio	Lower	Upper
85	100		
87	25.5	24.5	36.7





#9

Propene

Concen: 0.271 ppbv m

RT: 1.486 min Scan# 43

Delta R.T. 0.003 min

Lab File: VL041807.D

Acq: 18 Dec 2024 22:37

Instrument :

MSVOA_L

ClientSampleId :

C0AC8

Tgt Ion: 41 Resp: 1398

Ion Ratio Lower Upper

41 100

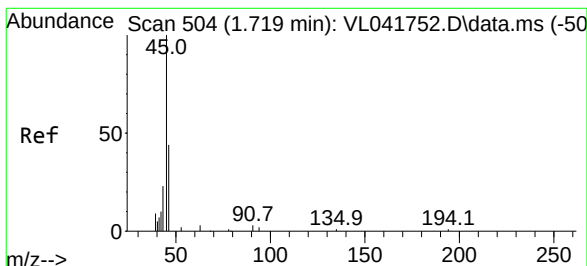
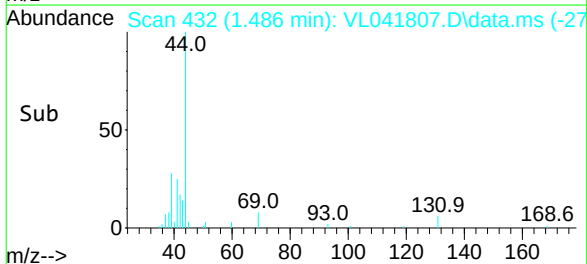
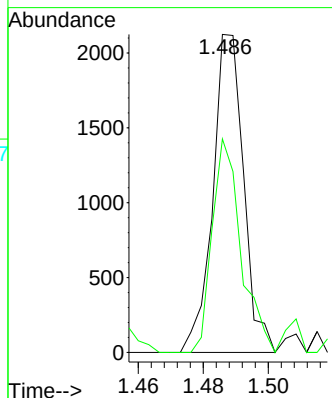
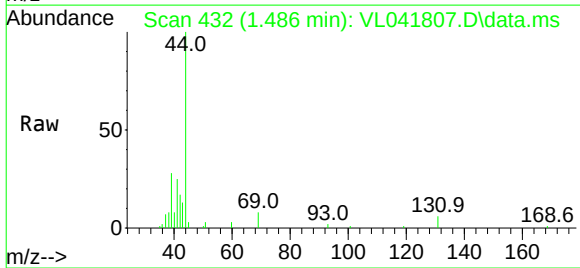
42 93.1 52.4 78.6#

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#13

Ethanol

Concen: 27.120 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.006 min

Lab File: VL041807.D

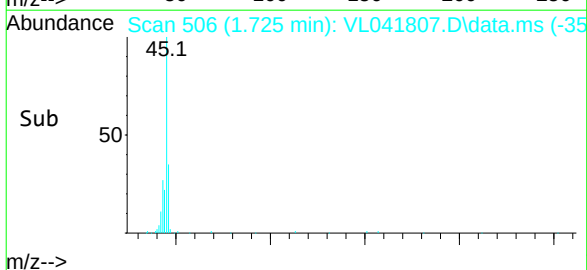
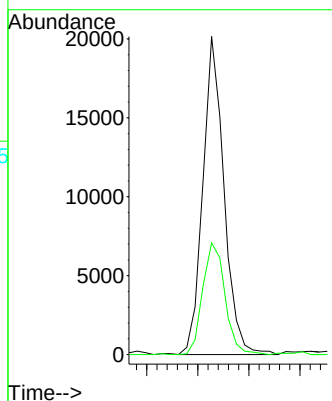
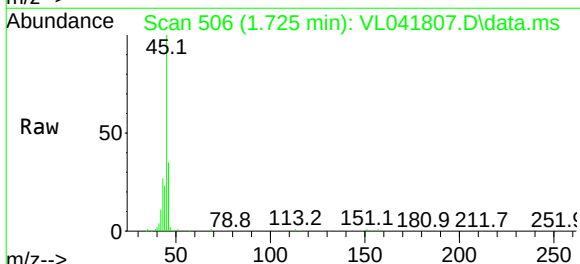
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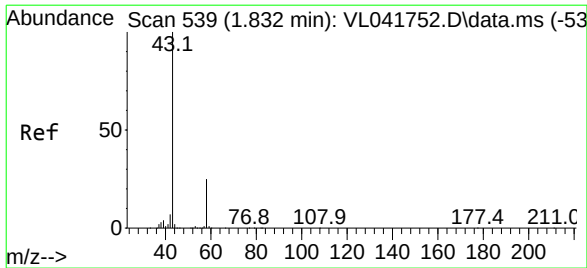
Tgt Ion: 45 Resp: 11589

Ion Ratio Lower Upper

45 100

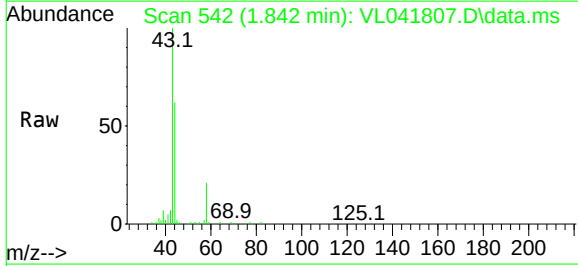
46 0.0 16.4 65.8#





#15
Acetone
Concen: 0.685 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.009 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

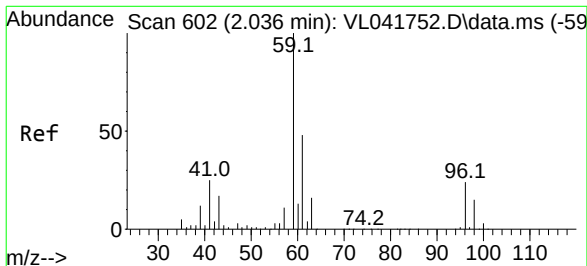
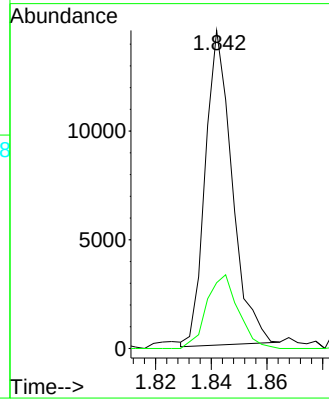
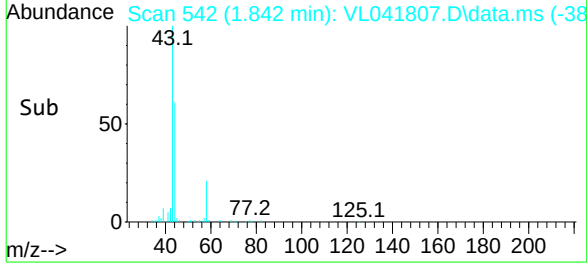
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



Tgt Ion: 43 Resp: 9724
Ion Ratio Lower Upper
43 100
58 27.5 19.7 29.5

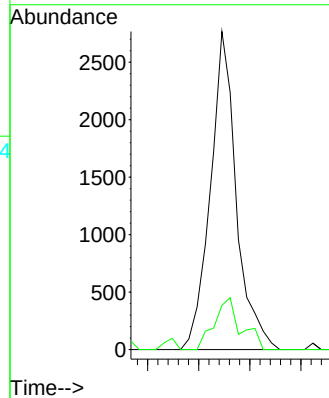
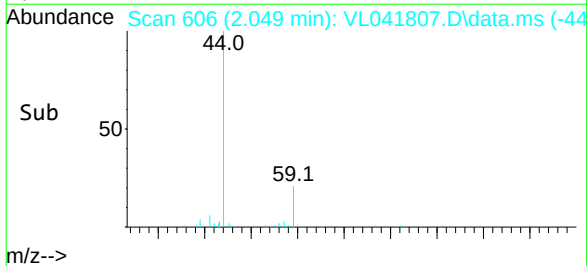
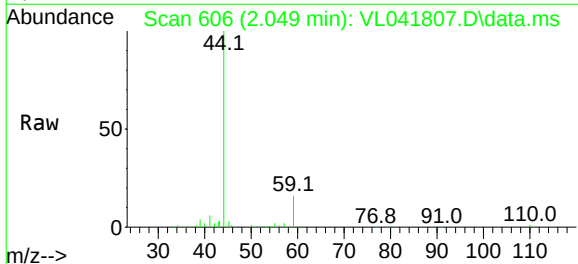
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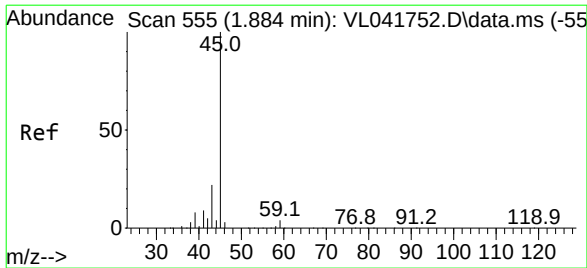
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#17
tert-Butyl alcohol
Concen: 0.139 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.013 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

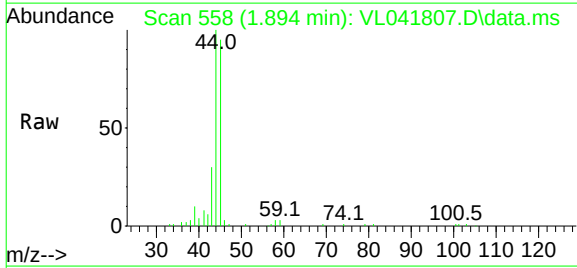
Tgt Ion: 59 Resp: 1952
Ion Ratio Lower Upper
59 100
57 19.0 8.6 13.0#





#19
Isopropyl Alcohol
Concen: 0.936 ppbv
RT: 1.894 min Scan# 555
Delta R.T. 0.009 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

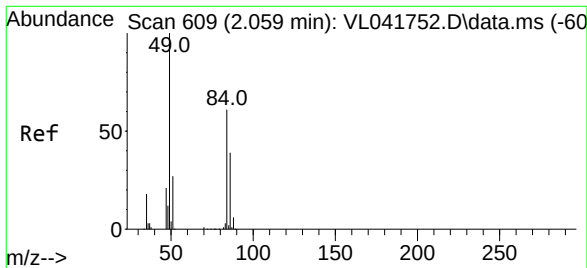
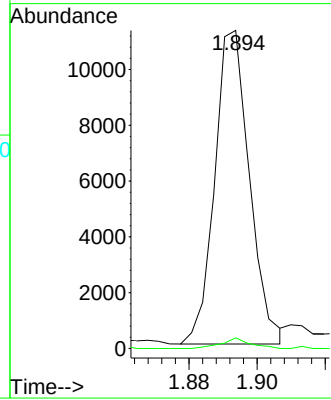
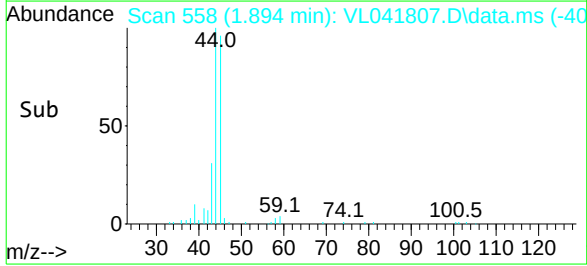
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



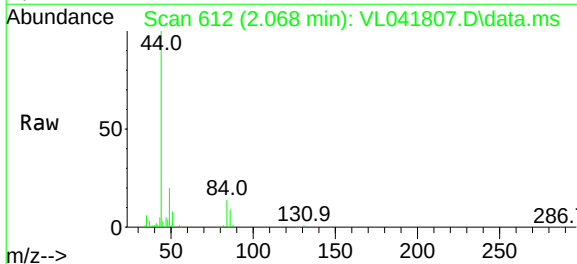
Tgt Ion: 45 Resp: 7976
Ion Ratio Lower Upper
45 100
58 2.9 33.3 49.9#

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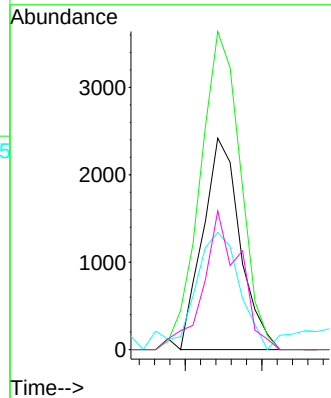
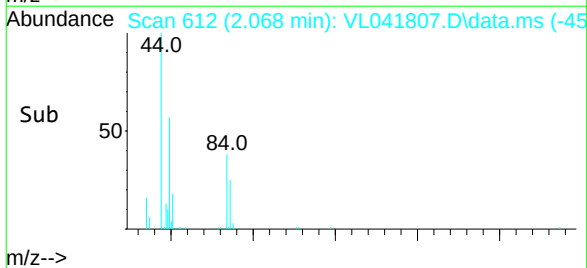
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

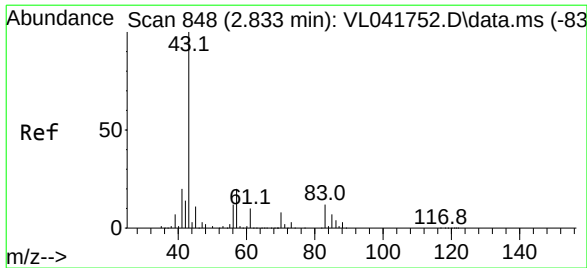


#20
Methylene Chloride
Concen: 0.403 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37



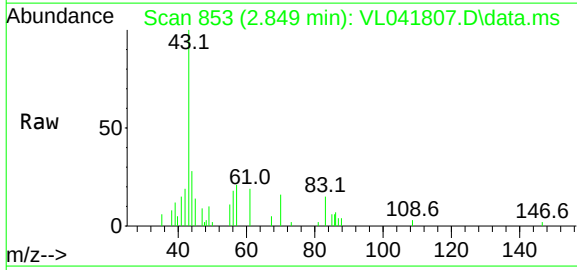
Tgt Ion: 84 Resp: 1631
Ion Ratio Lower Upper
84 100
49 150.4 132.6 198.8
51 49.4 37.6 56.4
86 65.6 51.4 77.0





#25
Ethyl Acetate
Concen: 0.142 ppbv
RT: 2.849 min Scan# 851
Delta R.T. 0.016 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

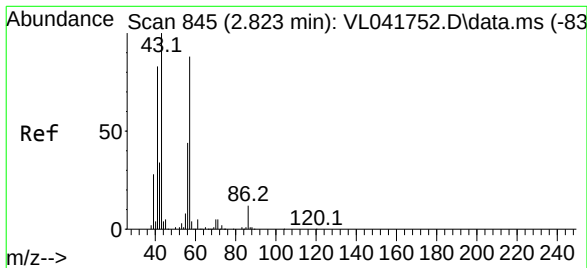
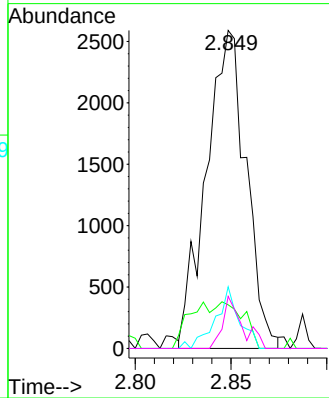
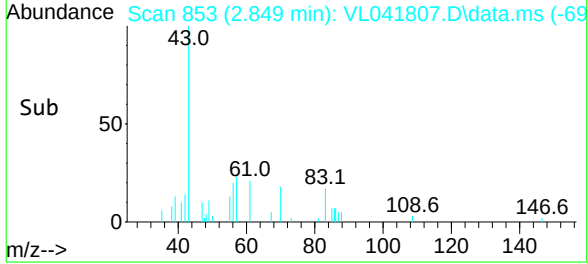
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



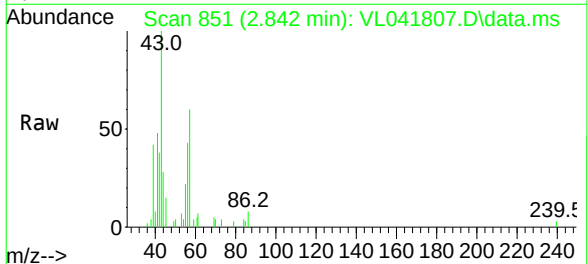
Tgt Ion	Ratio	Lower	Upper
43	100		
45	20.1	8.1	12.1#
61	11.6	7.0	10.6#
70	8.0	6.5	9.7

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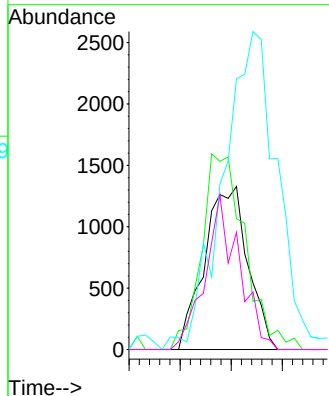
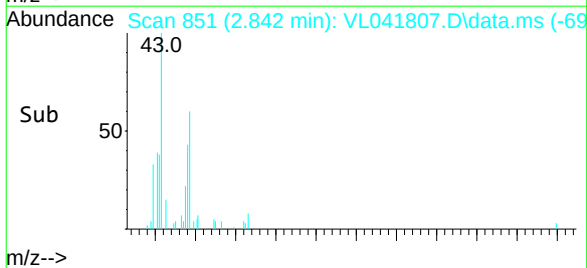
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024

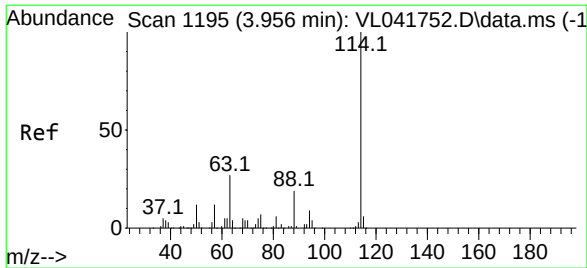


#26
Hexane
Concen: 0.157 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37



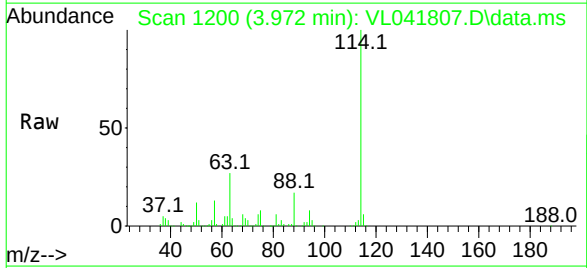
Tgt Ion	Ratio	Lower	Upper
57	100		
41	121.2	79.6	119.4#
43	253.7	211.0	316.6
56	73.6	42.6	63.8#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 12
Delta R.T. 0.016 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

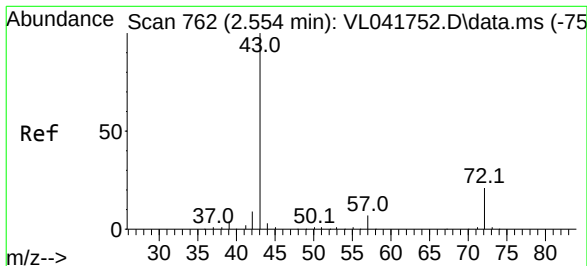
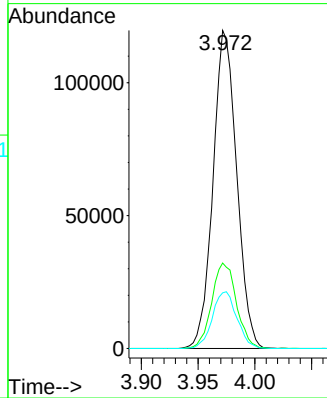
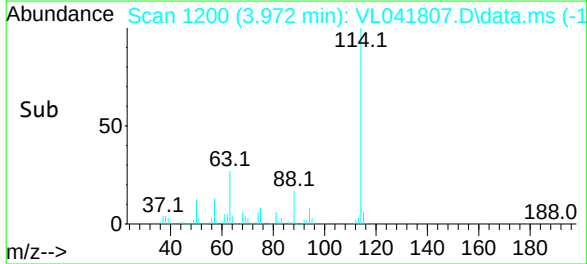
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



Tgt Ion: 114 Resp: 173625
Ion Ratio Lower Upper
114 100
63 28.1 21.8 32.8
88 18.5 14.8 22.2

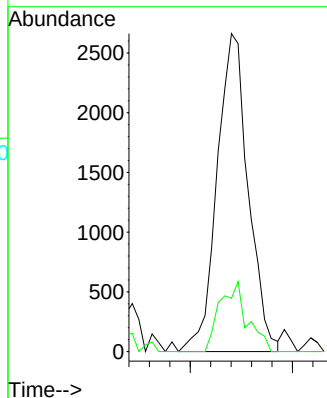
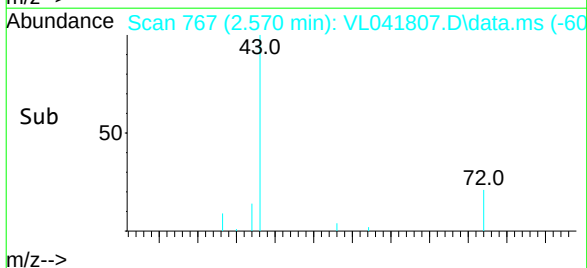
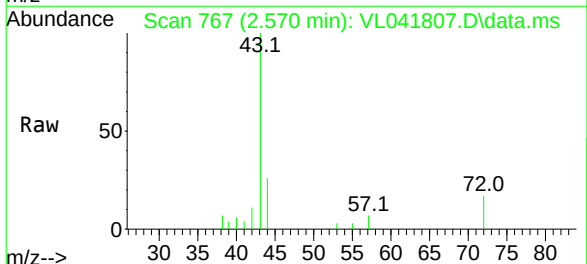
Manual Integrations
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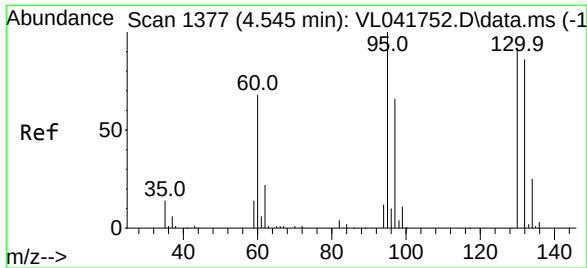
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#34
2-Butanone
Concen: 0.203 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

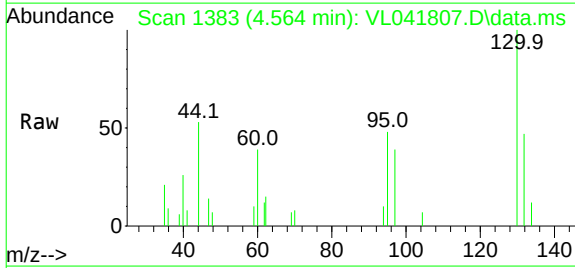
Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
72 19.3 16.8 25.2





#38
Trichloroethene
Concen: 0.144 ppbv
RT: 4.564 min Scan# 1377
Delta R.T. 0.019 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

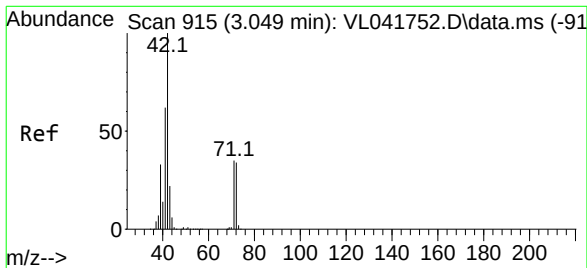
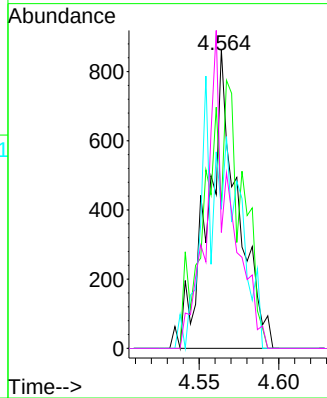
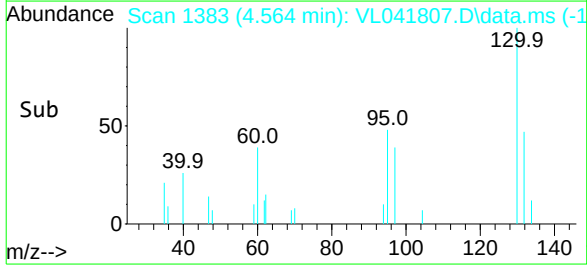
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



Tgt Ion	Ratio	Lower	Upper
130	100		
95	47.6	87.0	130.6#
132	46.5	75.0	112.6#
97	38.8	57.2	85.8#

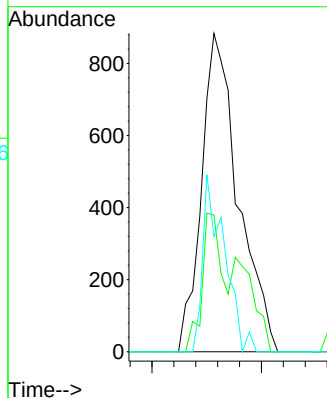
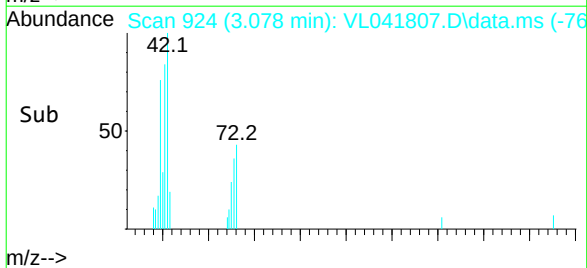
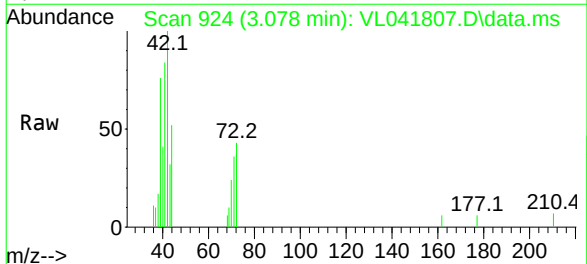
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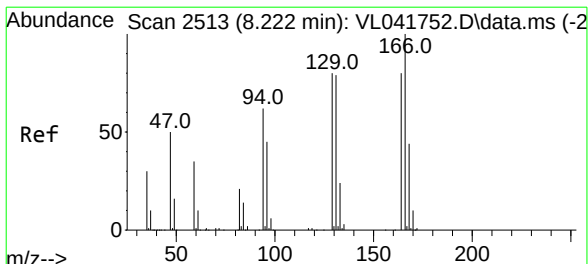
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#41
Tetrahydrofuran
Concen: 0.132 ppbv
RT: 3.078 min Scan# 924
Delta R.T. 0.029 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

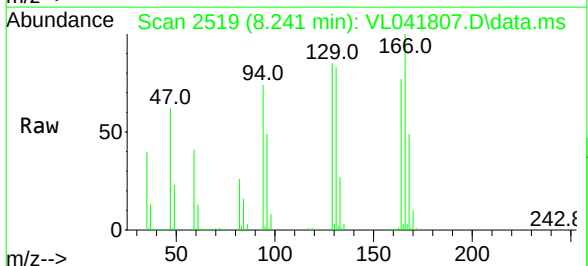
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	29.1	43.7
71	32.8	28.4	42.6





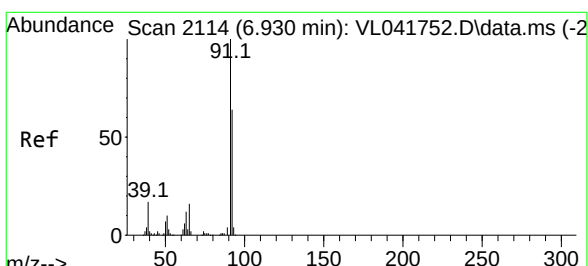
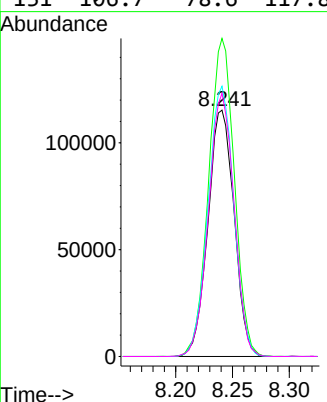
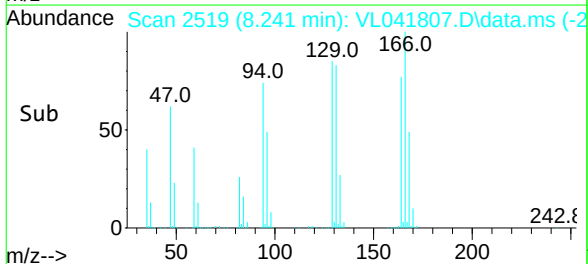
#52
Tetrachloroethene
 Concen: 27.596 ppbv
 RT: 8.241 min Scan# 2513
 Delta R.T. 0.019 min
 Lab File: VL041807.D
 Acq: 18 Dec 2024 22:37

Instrument : MSVOA_L
ClientSampleId : C0AC8

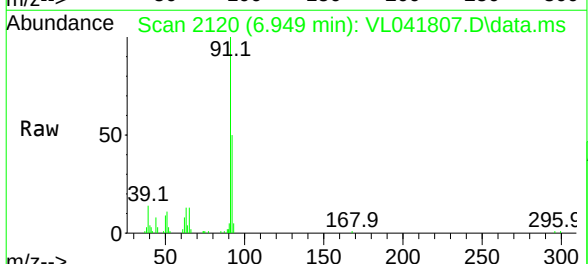


Tgt Ion:	164	Resp:	184475
Ion	Ratio	Lower	Upper
164	100		
166	129.1	99.8	149.6
129	109.7	79.6	119.4
131	106.7	78.6	117.8

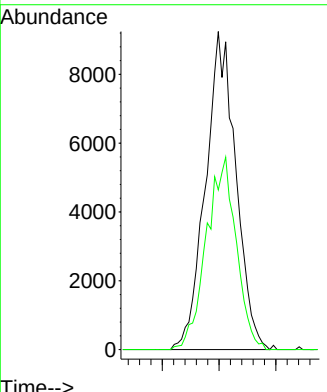
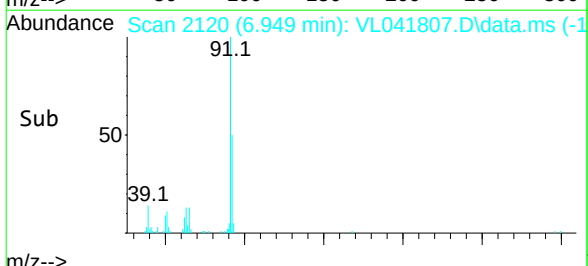
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 Reviewed By :Semsettin Yesilyurt 12/19/2024
 Supervised By :Mahesh Dadoda 12/19/2024

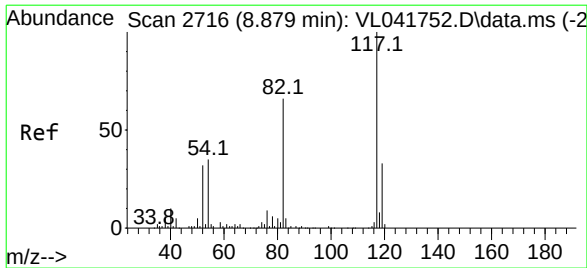


#53
Toluene
 Concen: 0.842 ppbv
 RT: 6.949 min Scan# 2120
 Delta R.T. 0.019 min
 Lab File: VL041807.D
 Acq: 18 Dec 2024 22:37



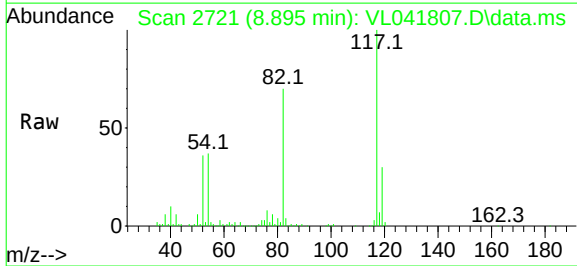
Tgt Ion:	91	Resp:	17152
Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.9	71.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2716
Delta R.T. 0.016 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

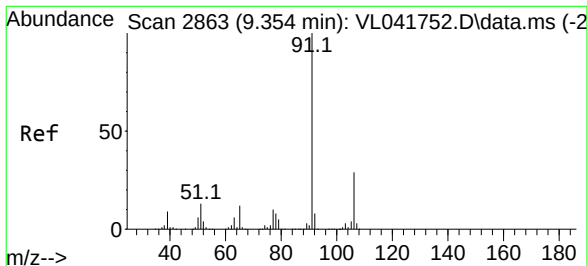
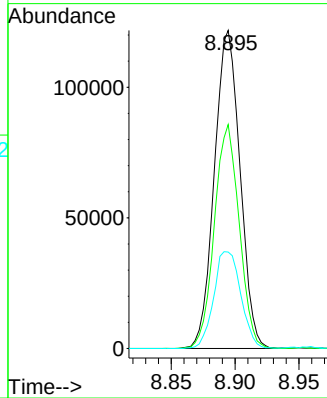
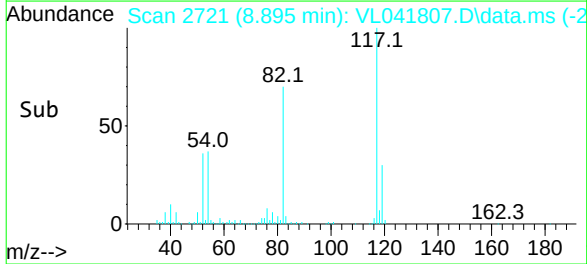
Instrument :
MSVOA_L
ClientSampleId :
C0AC8



Tgt Ion: 117 Resp: 170332
Ion Ratio Lower Upper
117 100
82 68.1 53.8 80.8
119 32.1 26.7 40.1

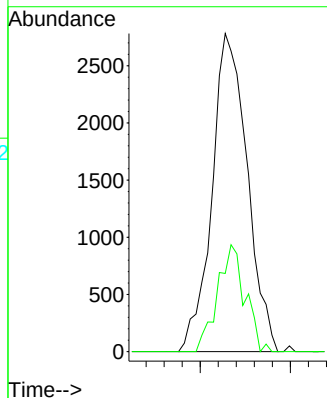
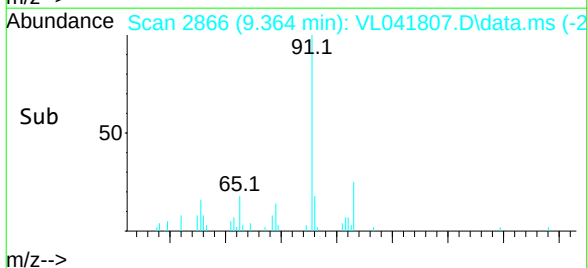
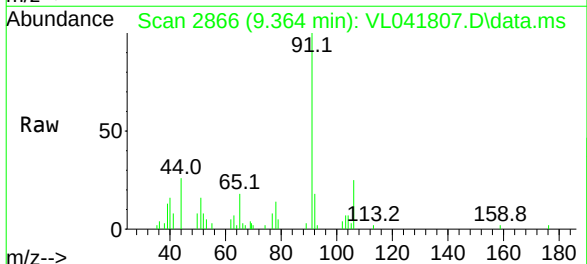
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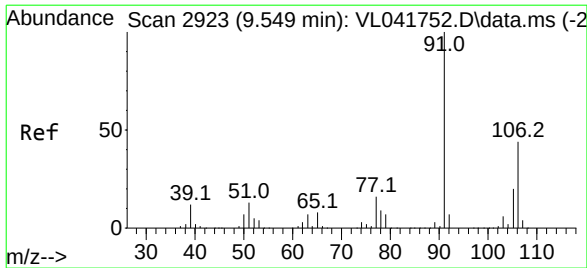
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#58
Ethyl Benzene
Concen: 0.123 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.009 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

Tgt Ion: 91 Resp: 3771
Ion Ratio Lower Upper
91 100
106 24.6 23.5 35.3





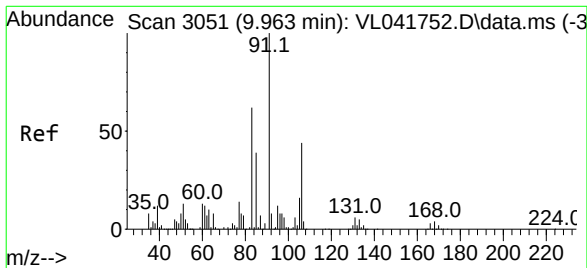
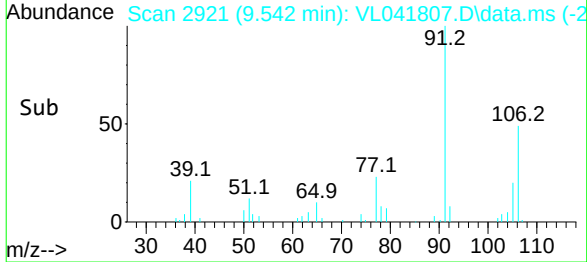
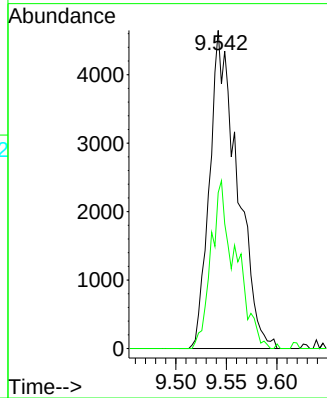
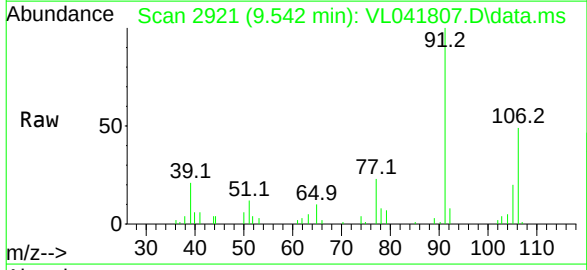
#59
m/p-Xylene
Concen: 0.361 ppbv m
RT: 9.542 min Scan# 2923
Delta R.T. -0.007 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

Instrument : MSVOA_L
ClientSampleId : C0AC8

Tgt Ion: 91 Resp: 8895
Ion Ratio Lower Upper
91 100
106 47.2 0.0 0.0

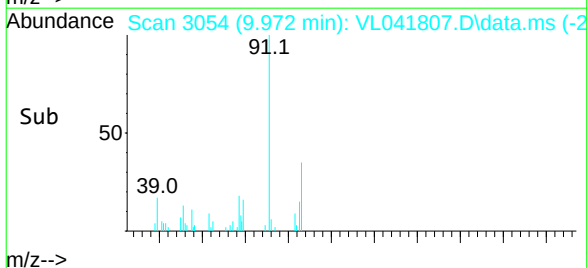
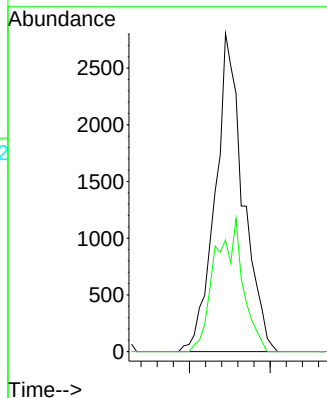
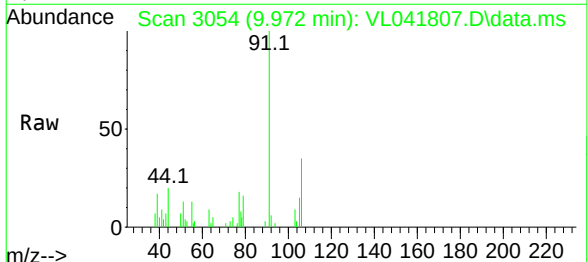
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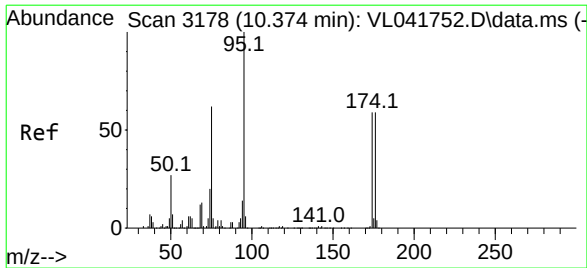
Reviewed By :Semsettin Yesilyurt 12/19/2024
Supervised By :Mahesh Dadoda 12/19/2024



#60
o-Xylene
Concen: 0.136 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.009 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

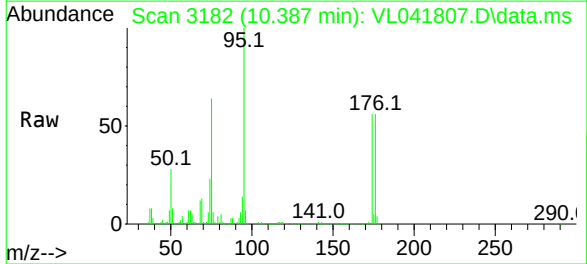
Tgt Ion: 91 Resp: 3367
Ion Ratio Lower Upper
91 100
106 42.3 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.570 ppbv
RT: 10.387 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041807.D
Acq: 18 Dec 2024 22:37

Instrument :
MSVOA_L
ClientSampleId :
C0AC8



Tgt	Ion: 95	Resp: 135837
Ion	Ratio	Lower Upper
95	100	
174	57.3	47.6 71.4
175	4.6	3.7 5.5

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

