

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041812.D
 Acq On : 19 Dec 2024 01:18
 Operator : SY/MD
 Sample : P5292-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024

Quant Time: Dec 19 08:02:57 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	2.793	49	75900	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	180500	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	153059	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	129050	10.118	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	5392	0.399	ppbv	95
3) Chlorodifluoromethane	1.479	51	5968	0.482	ppbv #	83
4) Chloromethane	1.534	50	2191	0.415	ppbv	94
9) Propene	1.489	41	4022	0.750	ppbv #	77
11) Trichlorofluoromethane	1.881	101	3099	0.216	ppbv	88
13) Ethanol	1.725	45	6977	15.706	ppbv #	34
15) Acetone	1.839	43	24574	1.664	ppbv #	89
19) Isopropyl Alcohol	1.894	45	4626	0.522	ppbv #	4
20) Methylene Chloride	2.068	84	3152	0.749	ppbv	96
26) Hexane	2.836	57	1609	0.154	ppbv #	40
29) Chloroform	2.855	83	6092	0.383	ppbv	92
34) 2-Butanone	2.570	43	1883	0.130	ppbv #	89
35) Carbon Tetrachloride	3.771	117	785	0.061	ppbv #	59
36) Benzene	3.667	78	3025	0.162	ppbv	98
53) Toluene	6.946	91	3421m	0.162	ppbv	

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

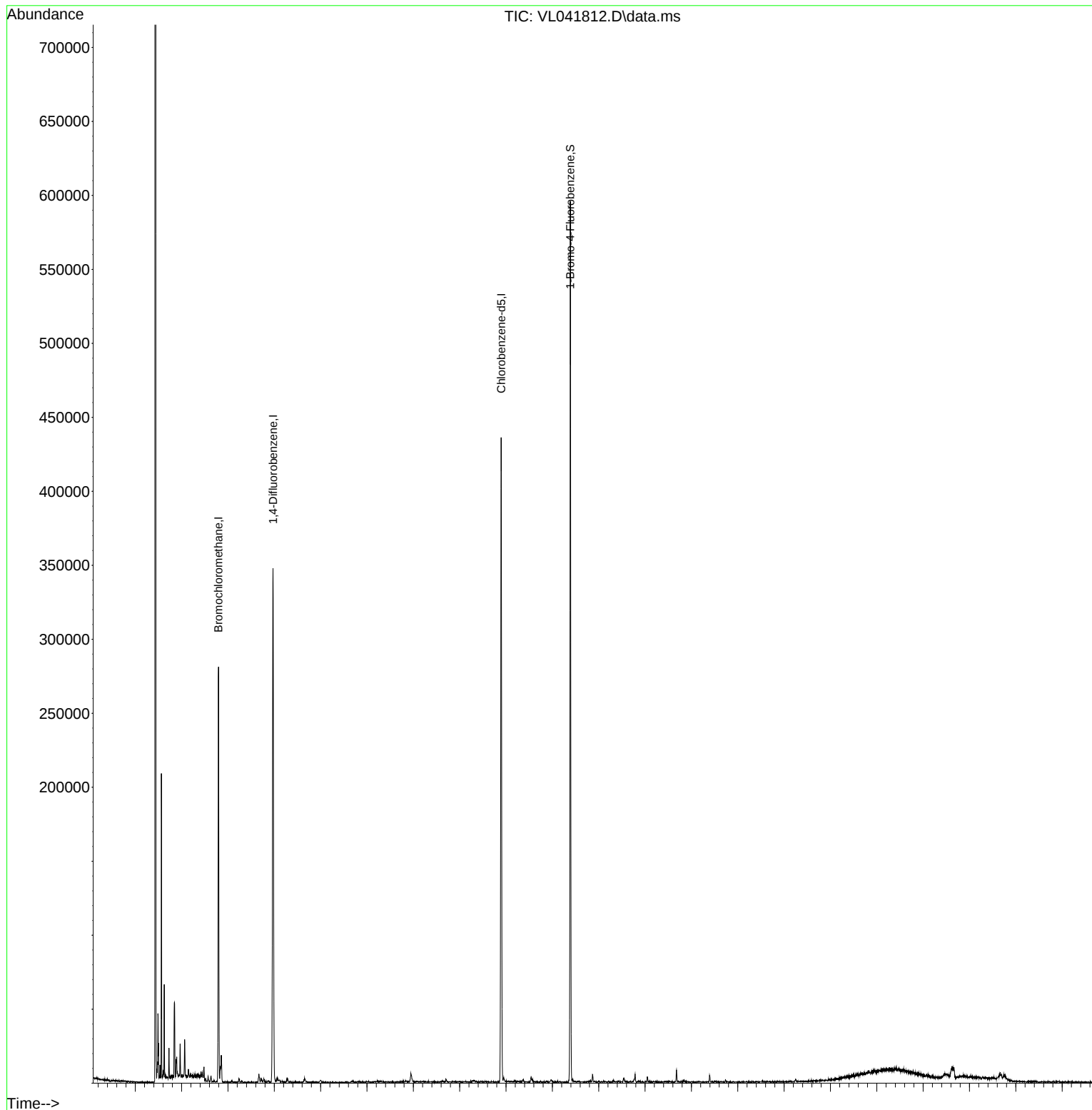
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041812.D
Acq On : 19 Dec 2024 01:18
Operator : SY/MD
Sample : P5292-01
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

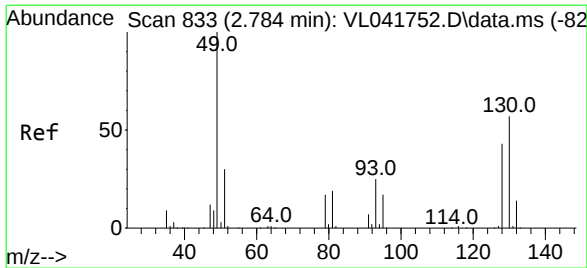
Instrument :
MSVOA_L
ClientSampleId :
C0AC5

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APPROVED

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Supervised By : Mahesh Dadoda 12/23/2024

Quant Time: Dec 19 08:02:57 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
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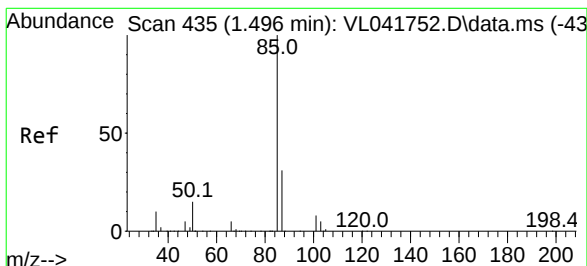
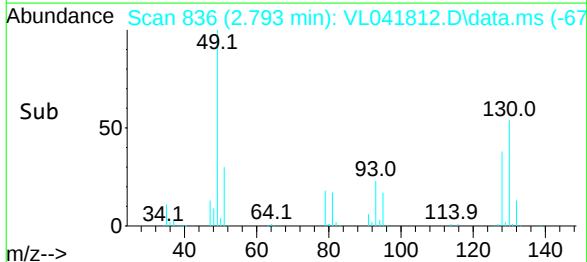
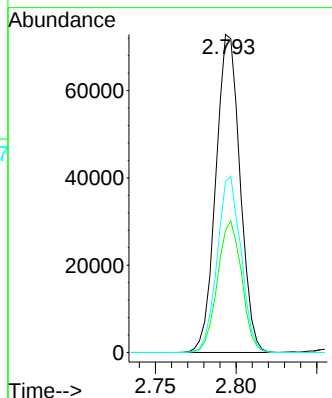
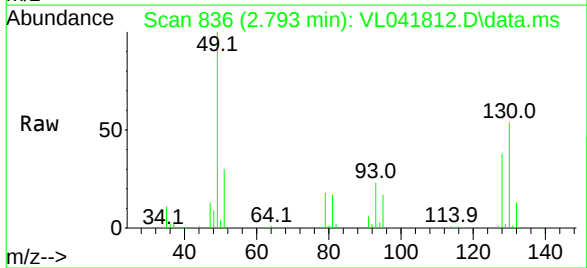
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument :
MSVOA_L
ClientSampleId :
C0AC5

Tgt Ion:	49	Resp:	75900
Ion	Ratio	Lower	Upper
49	100		
128	41.4	21.6	64.6
130	54.5	28.3	85.0

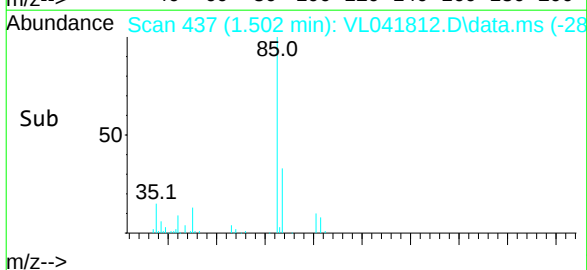
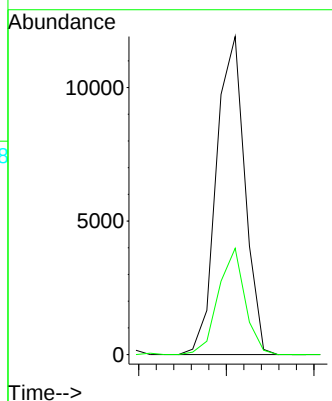
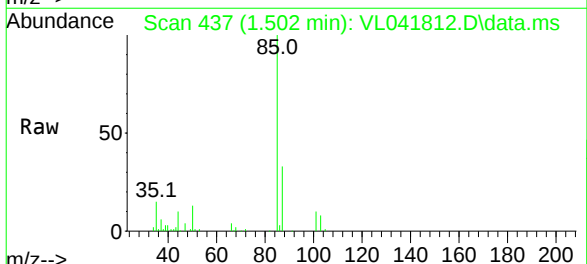
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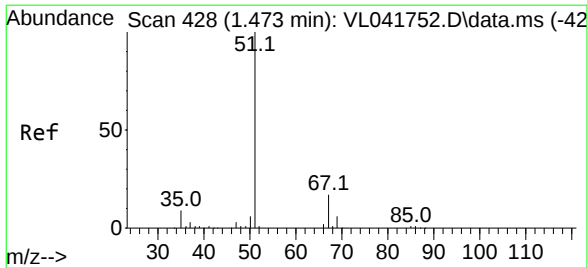
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#2
Dichlorodifluoromethane
Concen: 0.399 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Tgt Ion:	85	Resp:	5392
Ion	Ratio	Lower	Upper
85	100		
87	33.4	24.5	36.7





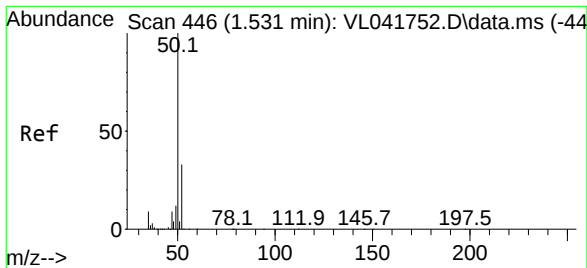
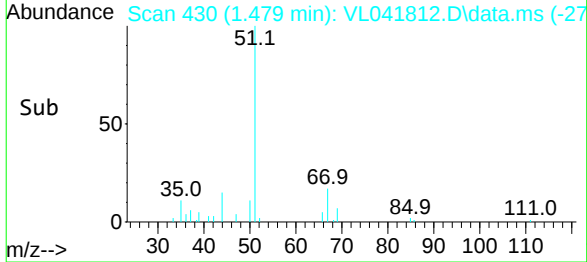
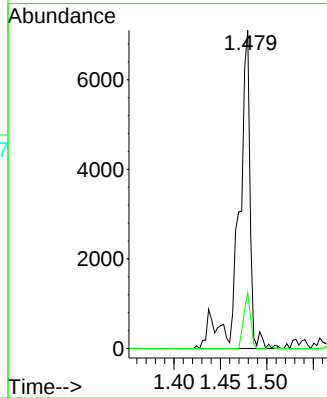
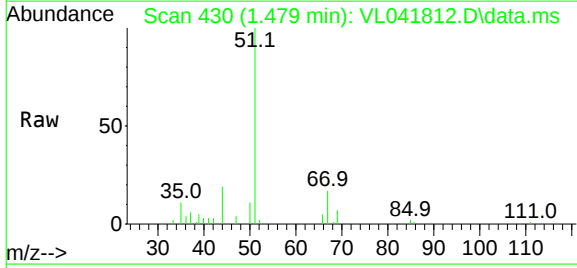
#3
Chlorodifluoromethane
Concen: 0.482 ppbv
RT: 1.479 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument : MSVOA_L
ClientSampleId : C0AC5

Tgt Ion: 51 Resp: 5968
Ion Ratio Lower Upper
51 100
67 11.1 15.0 22.4#

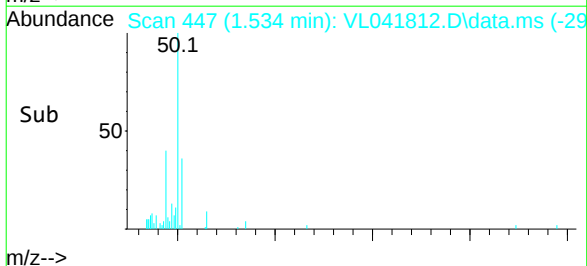
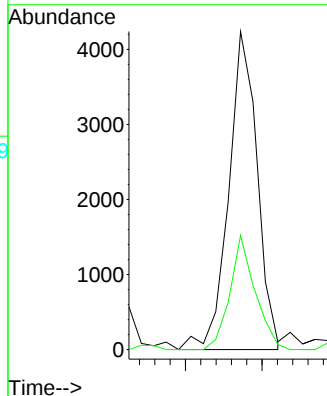
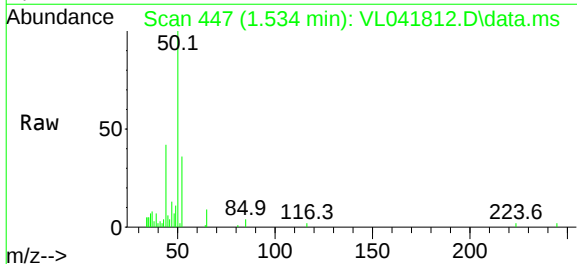
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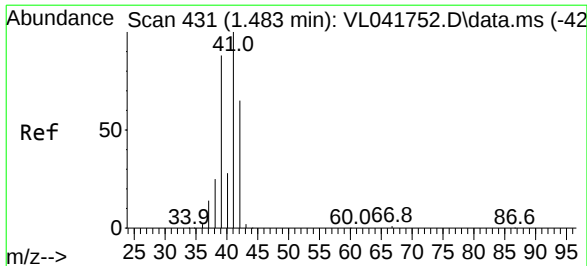
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#4
Chloromethane
Concen: 0.415 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

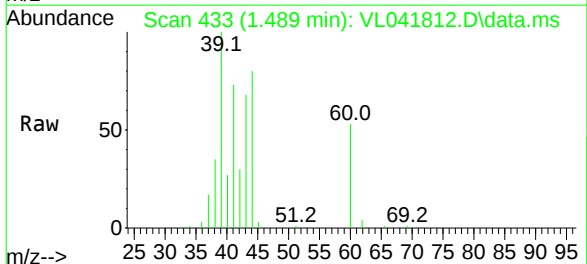
Tgt Ion: 50 Resp: 2191
Ion Ratio Lower Upper
50 100
52 35.9 26.2 39.2





#9
 Propene
 Concen: 0.750 ppbv
 RT: 1.489 min Scan# 431
 Delta R.T. 0.006 min
 Lab File: VL041812.D
 Acq: 19 Dec 2024 01:18

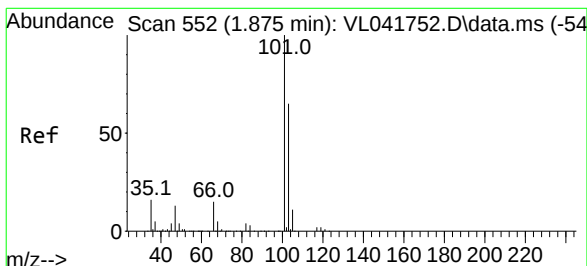
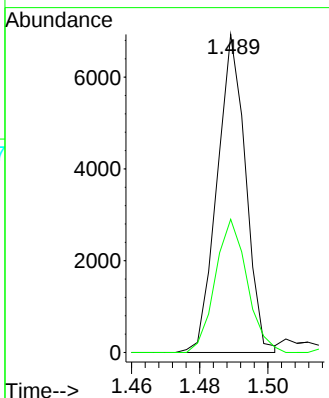
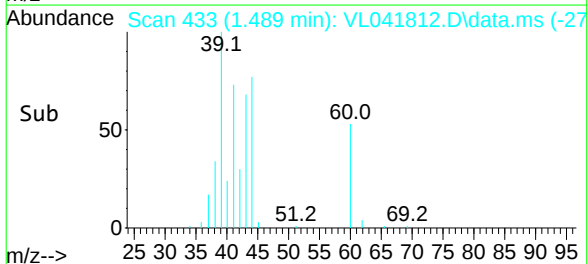
Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC5



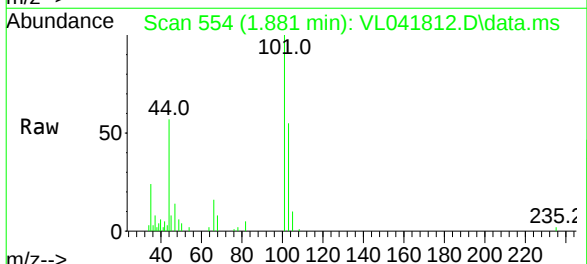
Tgt Ion: 41 Resp: 4022
 Ion Ratio Lower Upper
 41 100
 42 47.0 52.4 78.6

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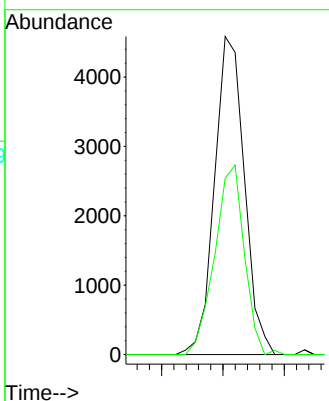
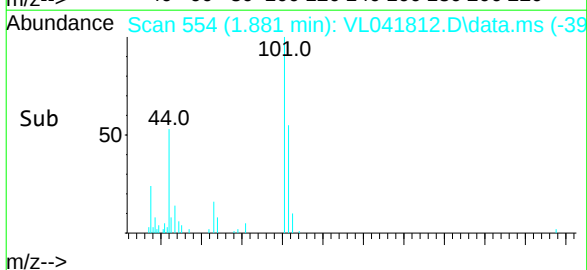
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024

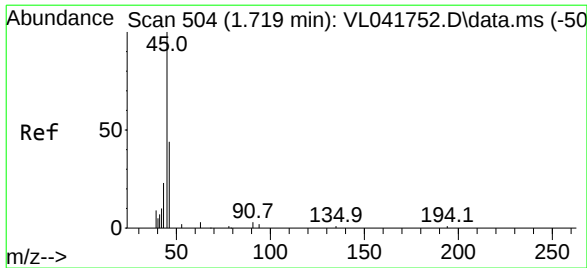


#11
 Trichlorofluoromethane
 Concen: 0.216 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.006 min
 Lab File: VL041812.D
 Acq: 19 Dec 2024 01:18



Tgt Ion:101 Resp: 3099
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.8 77.8





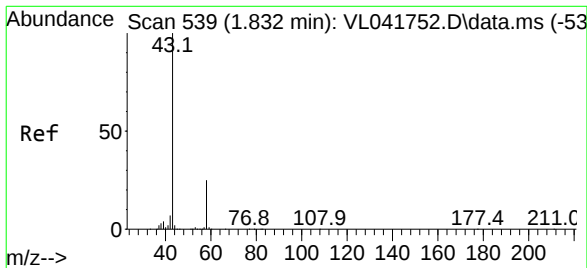
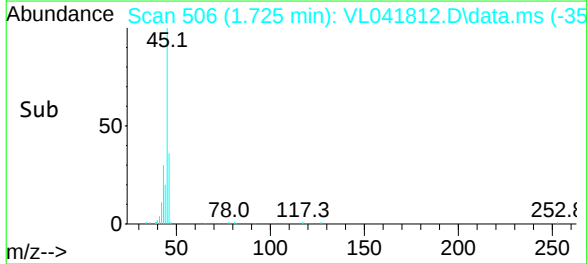
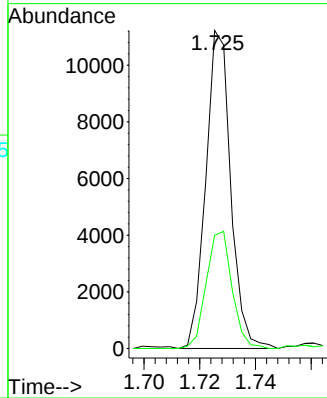
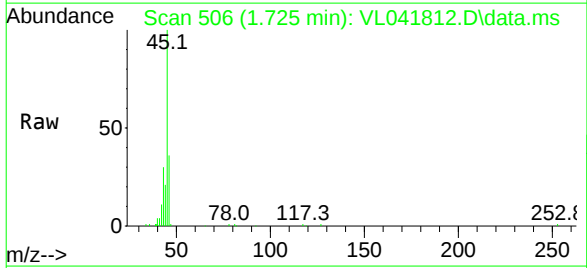
#13
Ethanol
Concen: 15.706 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument :
MSVOA_L
ClientSampleId :
C0AC5

Tgt Ion: 45 Resp: 6977
Ion Ratio Lower Upper
45 100
46 0.0 16.4 65.8#

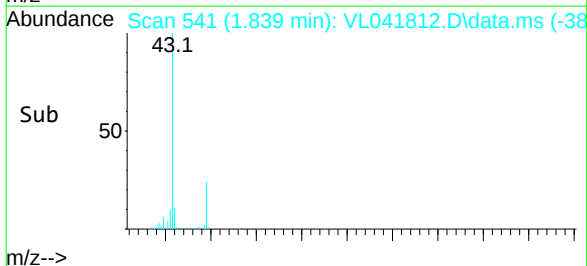
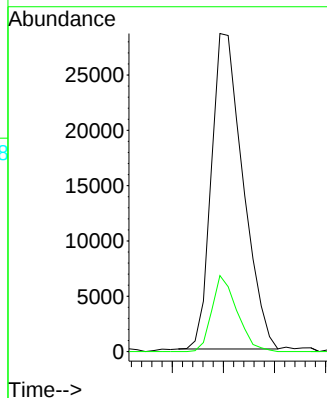
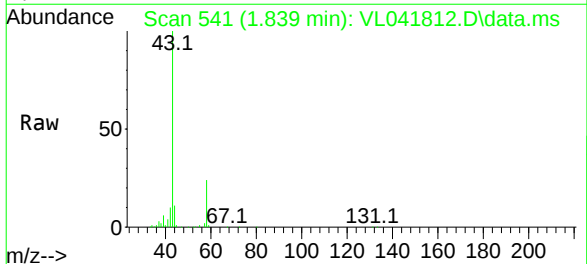
Manual Integrations
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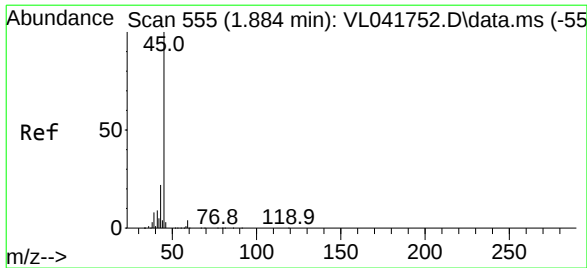
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#15
Acetone
Concen: 1.664 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Tgt Ion: 43 Resp: 24574
Ion Ratio Lower Upper
43 100
58 19.2 19.7 29.5#





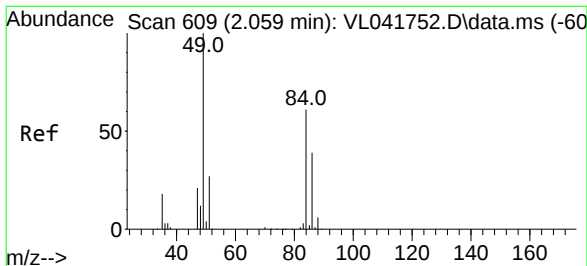
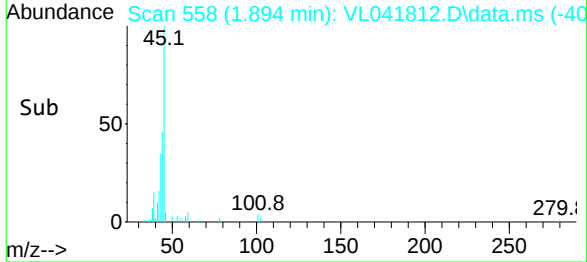
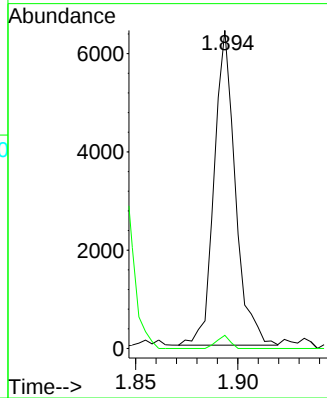
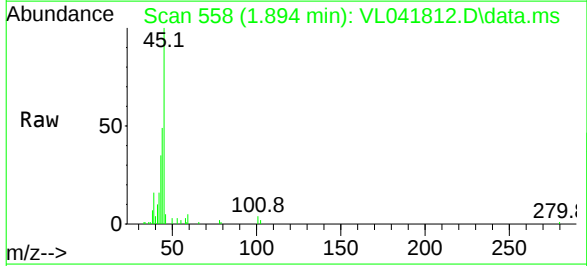
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Isopropyl Alcohol
Concen: 0.522 ppbv
RT: 1.894 min Scan# 555
Delta R.T. 0.009 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument :
MSVOA_L
ClientSampleId :
C0AC5

Tgt Ion: 45 Resp: 4626
Ion Ratio Lower Upper
45 100
58 101.8 33.3 49.9#

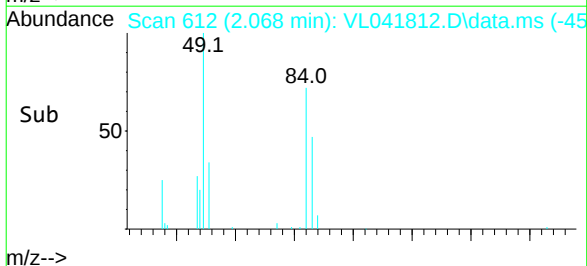
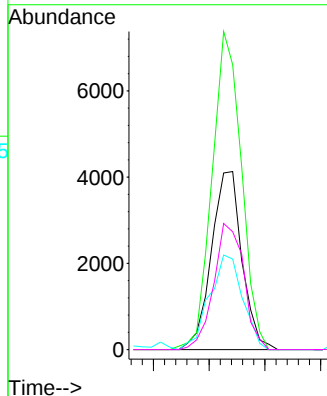
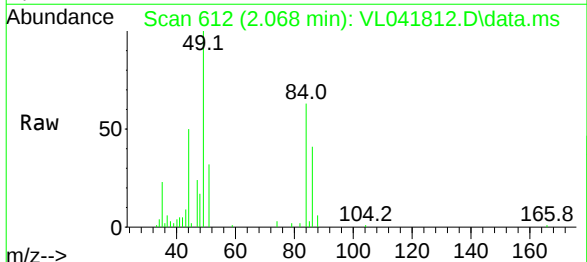
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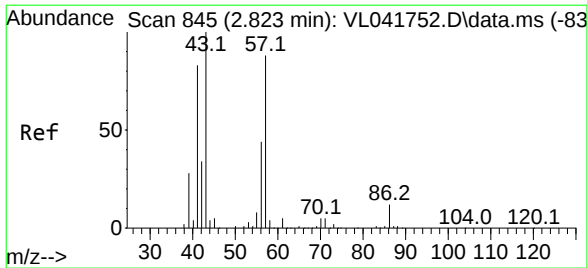
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#20
Methylene Chloride
Concen: 0.749 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

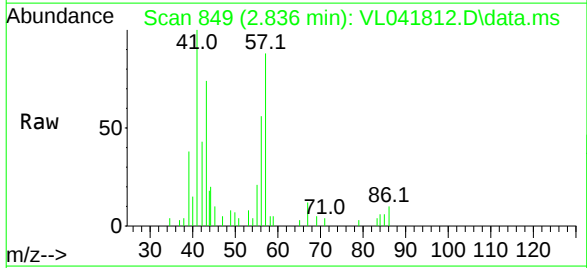
Tgt Ion: 84 Resp: 3152
Ion Ratio Lower Upper
84 100
49 160.0 132.6 198.8
51 50.8 37.6 56.4
86 66.2 51.4 77.0





#26
Hexane
Concen: 0.154 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.013 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

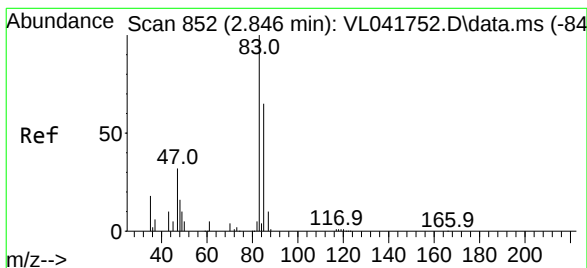
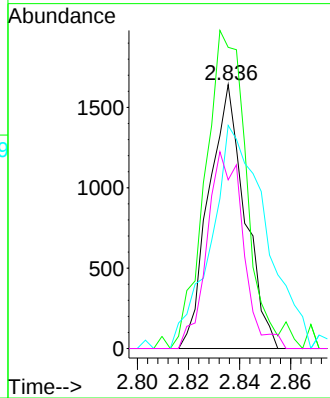
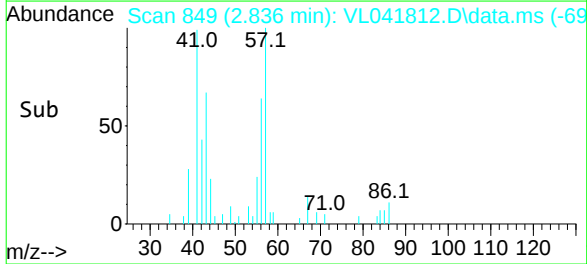
Instrument :
MSVOA_L
ClientSampleId :
C0AC5



Tgt Ion: 57 Resp: 1609
Ion Ratio Lower Upper
57 100
41 141.7 79.6 119.4#
43 132.8 211.0 316.6#
56 74.6 42.6 63.8#

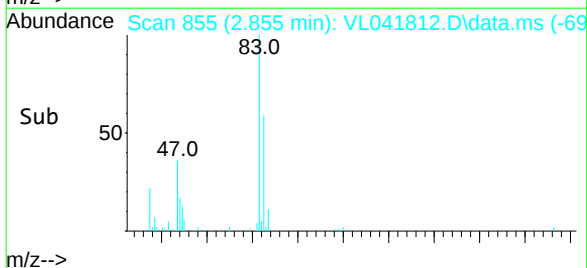
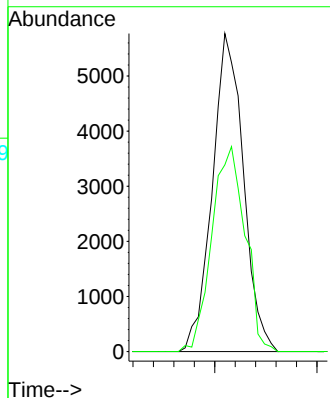
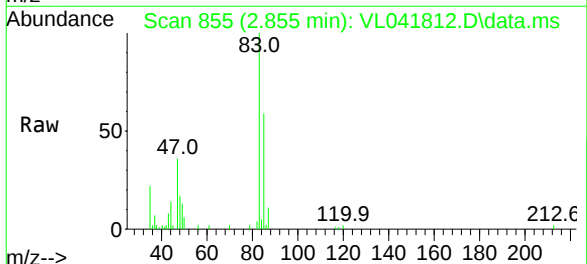
Manual Integrations
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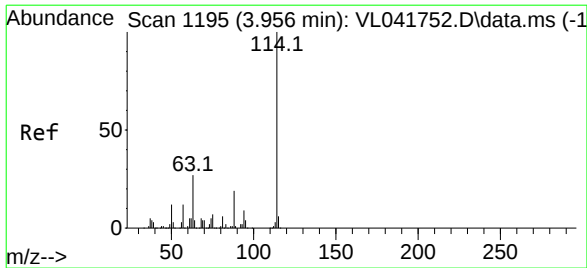
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#29
Chloroform
Concen: 0.383 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.009 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

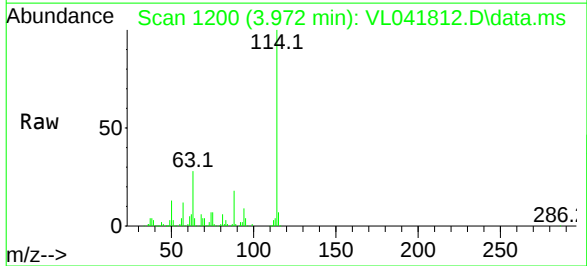
Tgt Ion: 83 Resp: 6092
Ion Ratio Lower Upper
83 100
85 58.7 51.8 77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 12
Delta R.T. 0.016 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

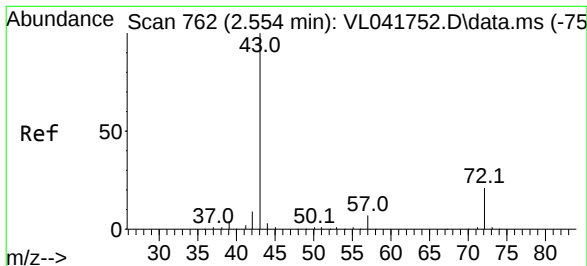
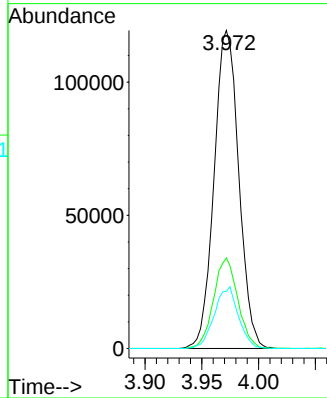
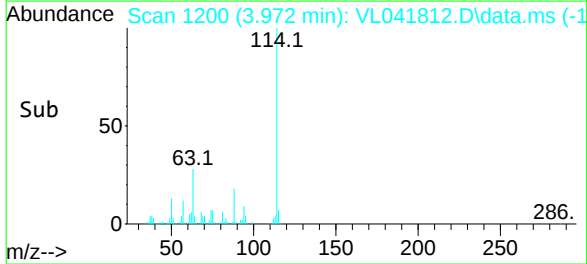
Instrument :
MSVOA_L
ClientSampleId :
C0AC5



Tgt Ion: 114 Resp: 180500
Ion Ratio Lower Upper
114 100
63 28.0 21.8 32.8
88 18.9 14.8 22.2

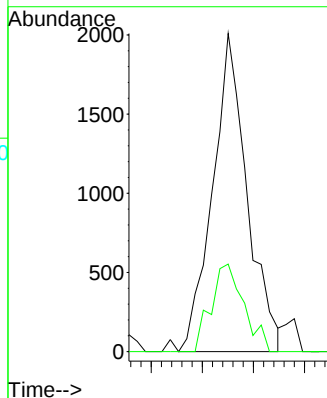
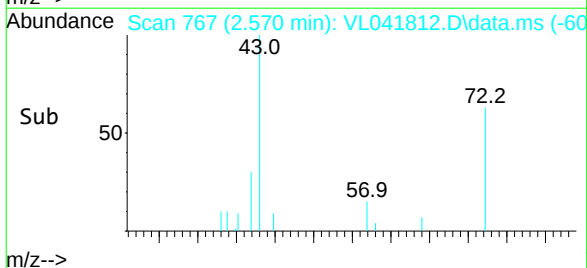
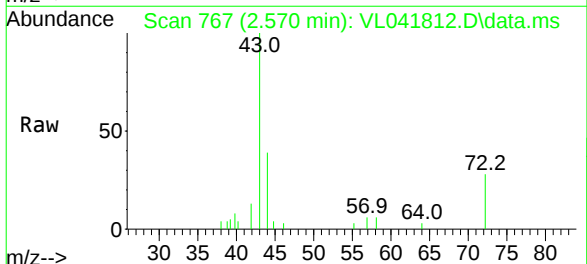
Manual Integrations
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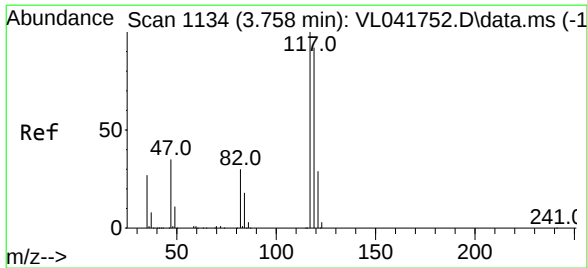
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#34
2-Butanone
Concen: 0.130 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
72 26.2 16.8 25.2#





#35

Carbon Tetrachloride

Concen: 0.061 ppbv

RT: 3.771 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041812.D

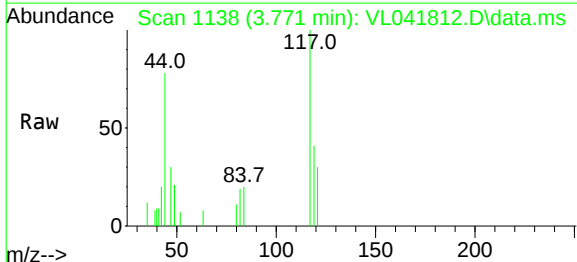
Acq: 19 Dec 2024 01:18

Instrument :

MSVOA_L

ClientSampleId :

C0AC5

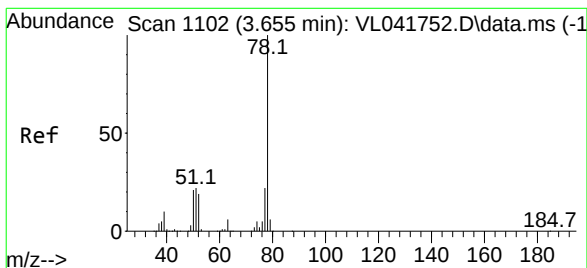
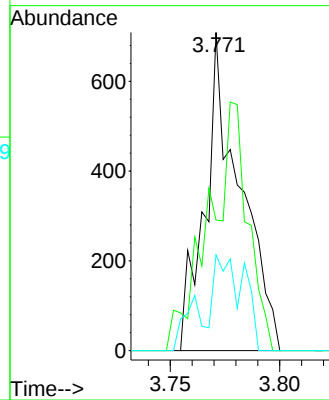
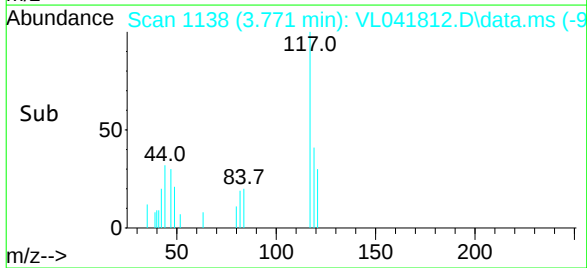


Tgt Ion:	117	Resp:	785
Ion	Ratio	Lower	Upper
117	100		
119	41.0	73.7	110.5#
121	30.0	23.0	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#36

Benzene

Concen: 0.162 ppbv

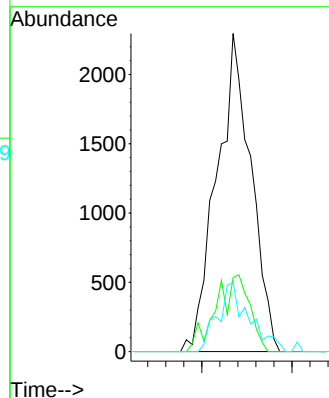
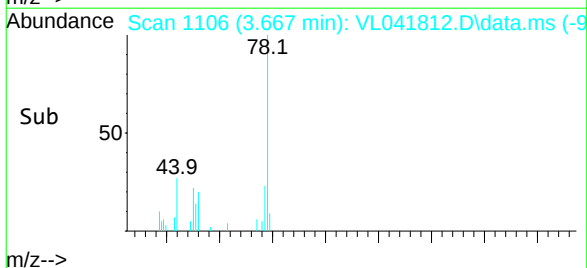
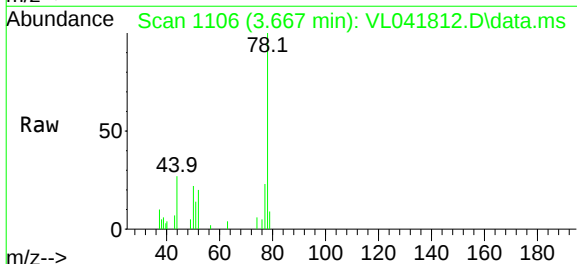
RT: 3.667 min Scan# 1106

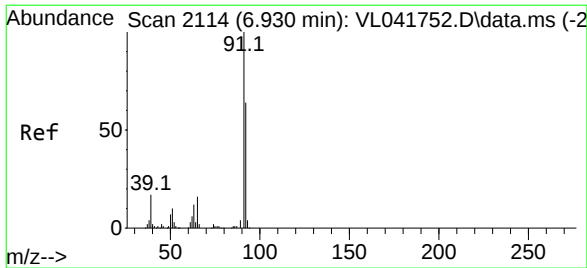
Delta R.T. 0.013 min

Lab File: VL041812.D

Acq: 19 Dec 2024 01:18

Tgt Ion:	78	Resp:	3025
Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.8	26.6
50	21.8	17.2	25.8





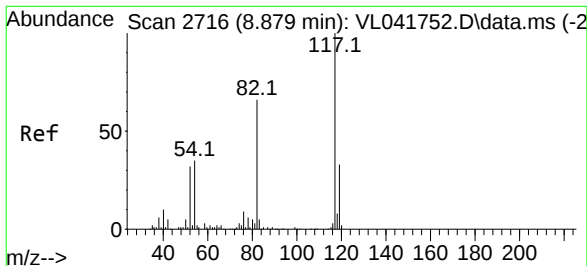
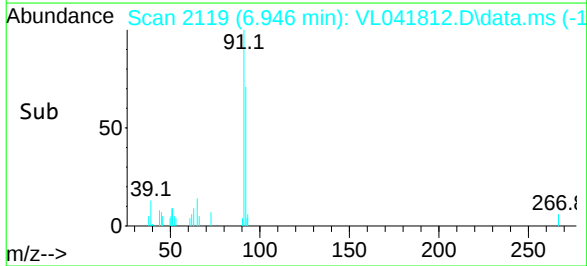
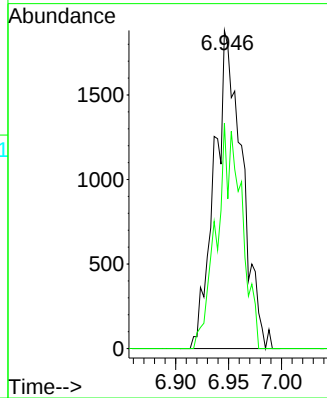
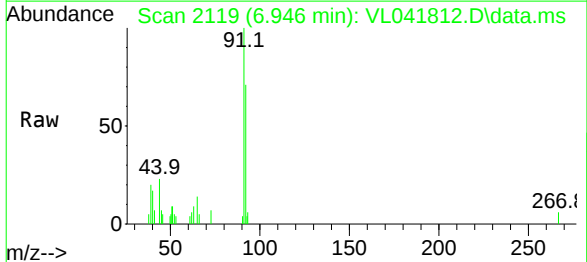
#53
Toluene
Concen: 0.162 ppbv m
RT: 6.946 min Scan# 2114
Delta R.T. 0.016 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument :
MSVOA_L
ClientSampleId :
C0AC5

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.7	47.9	71.9

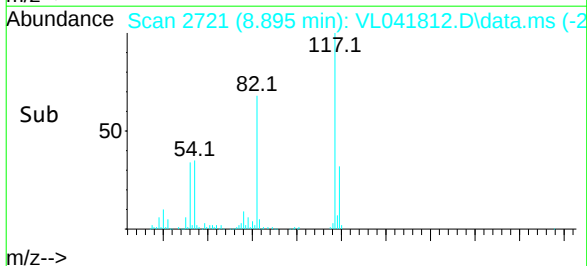
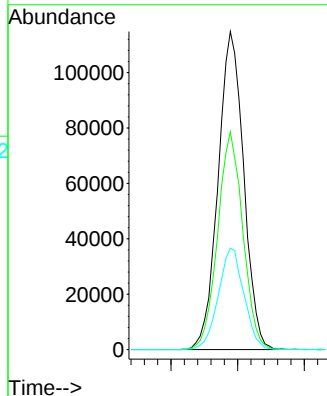
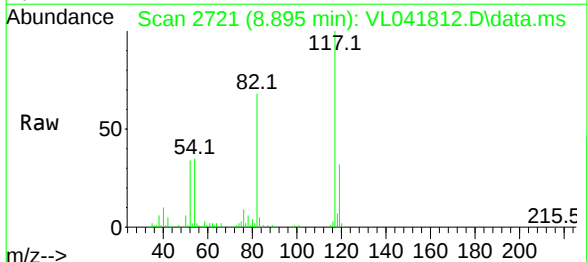
Manual Integrations
APPROVED

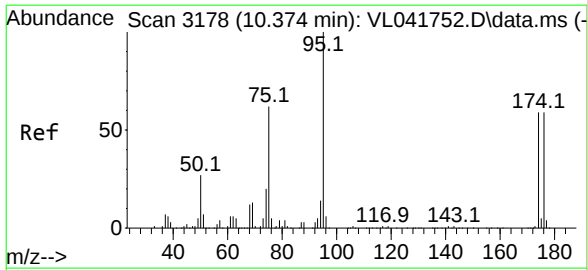
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.016 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

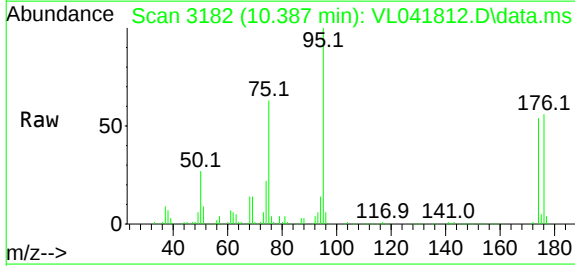
Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.2	53.8	80.8
119	31.9	26.7	40.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.118 ppbv
RT: 10.387 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041812.D
Acq: 19 Dec 2024 01:18

Instrument :
MSVOA_L
ClientSampleId :
C0AC5



Tgt Ion: 95 Resp: 129050
Ion Ratio Lower Upper
95 100
174 57.5 47.6 71.4
175 4.9 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024

