

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040929.D
 Acq On : 21 Dec 2023 14:33
 Operator : SY/MD
 Sample : 05813-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10158

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2023
 Supervised By : Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:07:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1120840	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.639	114	2843661	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2376742	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.744	95	1740507	9.942	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	108696	0.509	ppbv	99
3) Chlorodifluoromethane	2.697	51	58735	0.348	ppbv #	89
4) Chloromethane	2.832	50	35361	0.569	ppbv	94
9) Propene	2.729	41	72866m	1.309	ppbv	
10) Heptane	7.558	43	15498m	0.112	ppbv	
11) Trichlorofluoromethane	3.571	101	40678m	0.244	ppbv	
13) Ethanol	3.253	45	147787	10.526	ppbv	94
15) Acetone	3.481	43	908614	6.759	ppbv	99
19) Isopropyl Alcohol	3.597	45	127193	1.813	ppbv #	89
20) Methylene Chloride	3.938	84	1242795	25.937	ppbv	98
25) Ethyl Acetate	5.208	43	890541	3.823	ppbv #	77
26) Hexane	5.211	57	1261557	12.221	ppbv #	39
34) 2-Butanone	4.793	43	37126m	0.247	ppbv	
35) Carbon Tetrachloride	6.475	117	13001m	0.073	ppbv	
36) Benzene	6.359	78	43136m	0.194	ppbv	
52) Tetrachloroethene	10.587	164	6069m	0.081	ppbv	
53) Toluene	9.201	91	197214	0.800	ppbv	99
59) m/p-Xylene	12.310	91	44055m	0.170	ppbv	

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

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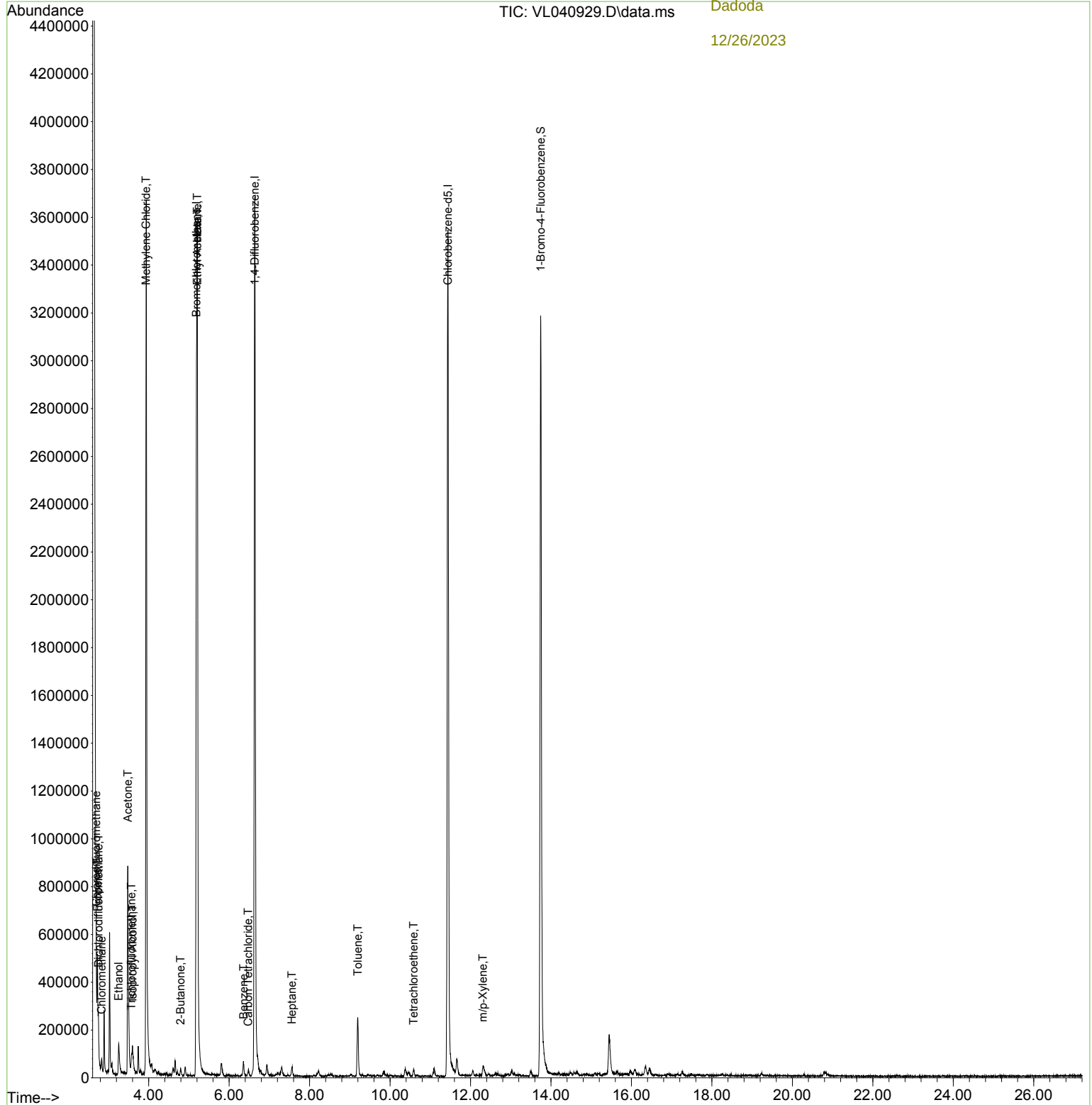
Quant Time: Dec 22 00:07:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
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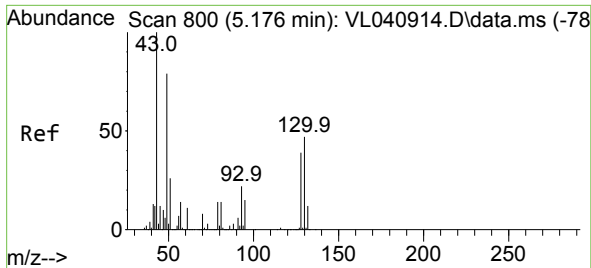
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Dadoda

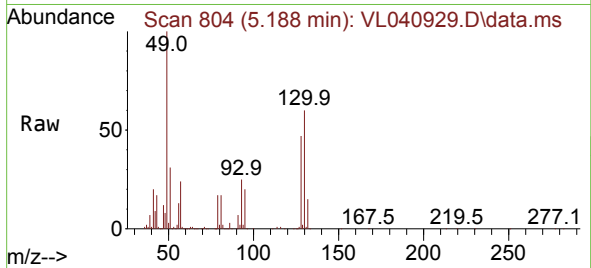
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Instrument :
MSVOA_L
ClientSampleId :
10158



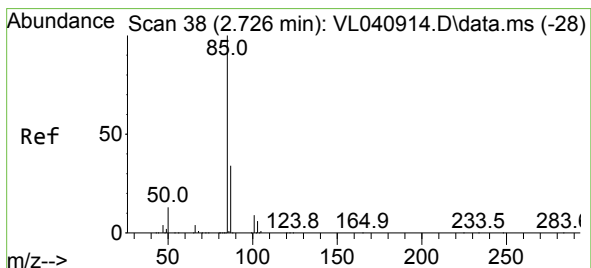
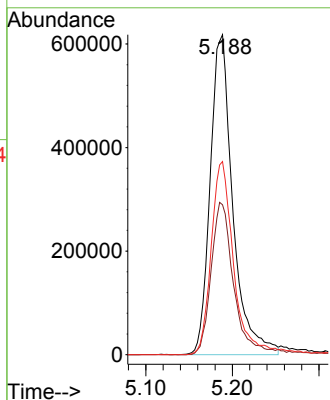
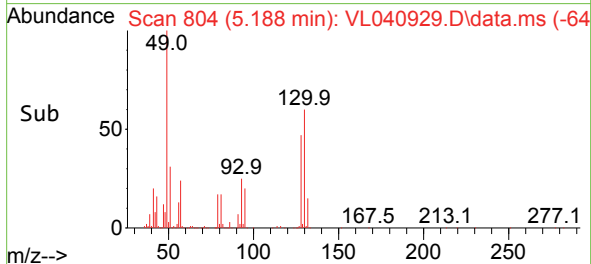
Tgt Ion: 49 Resp: 1120840
Ion Ratio Lower Upper
49 100
128 49.0 23.8 71.2
130 62.3 30.1 90.5

Manual Integrations
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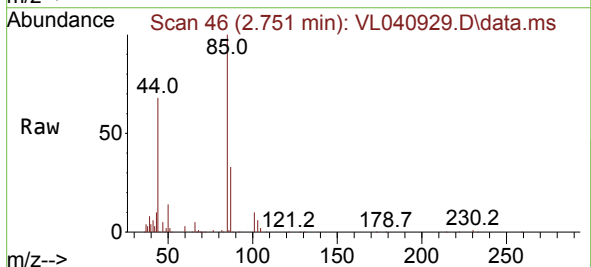
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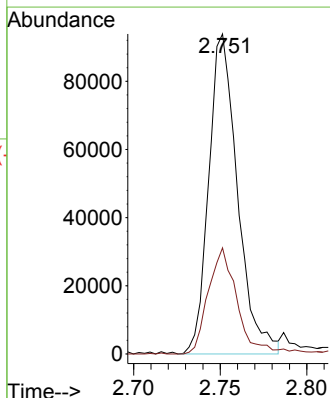
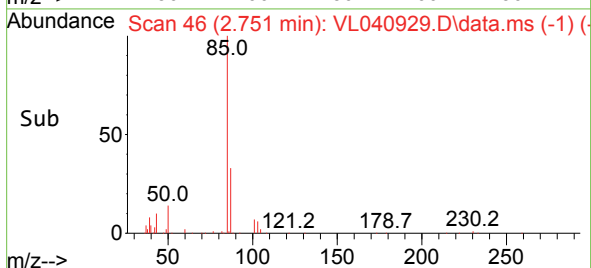
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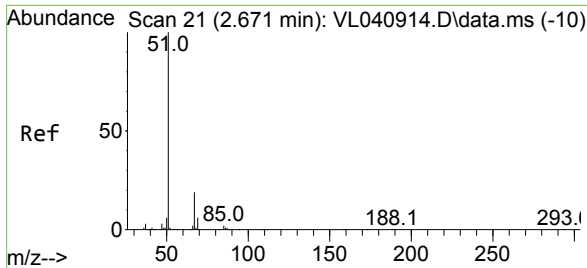


#2
Dichlorodifluoromethane
Concen: 0.509 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.026 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33



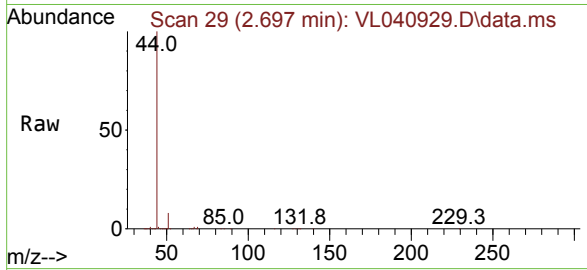
Tgt Ion: 85 Resp: 108696
Ion Ratio Lower Upper
85 100
87 33.2 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.348 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.026 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

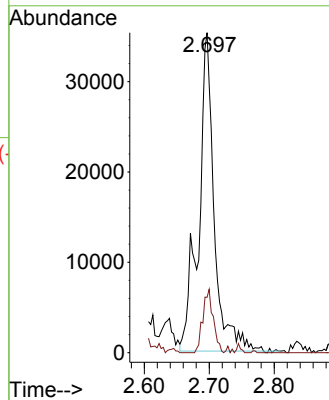
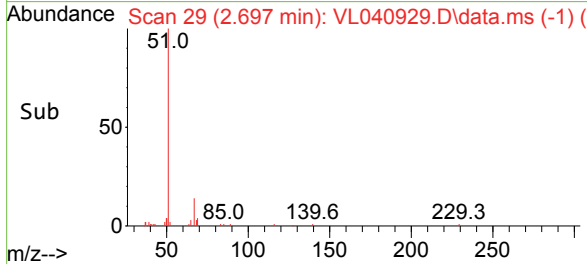
Instrument :
MSVOA_L
ClientSampleId :
10158



Tgt Ion: 51 Resp: 5873
Ion Ratio Lower Upper
51 100
67 13.7 14.7 22.1

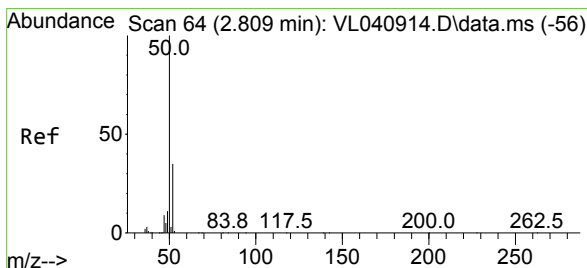
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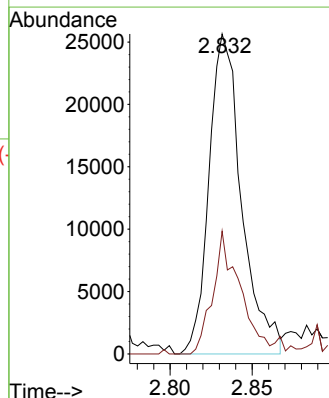
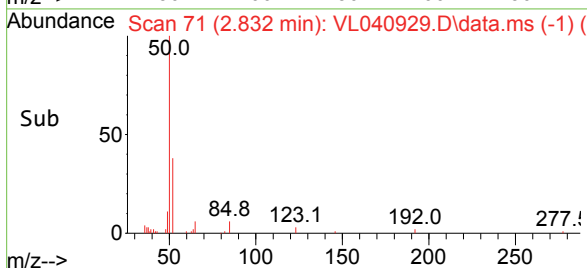
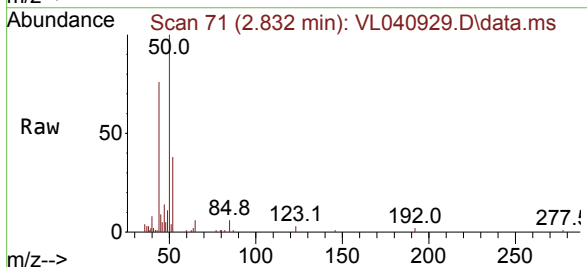
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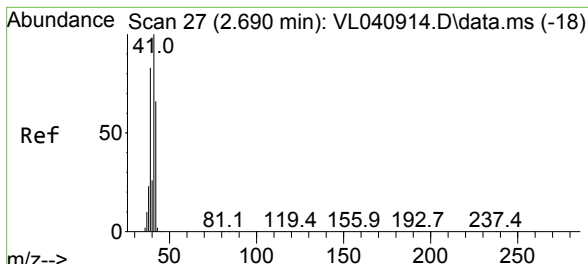
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#4
Chloromethane
Concen: 0.569 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

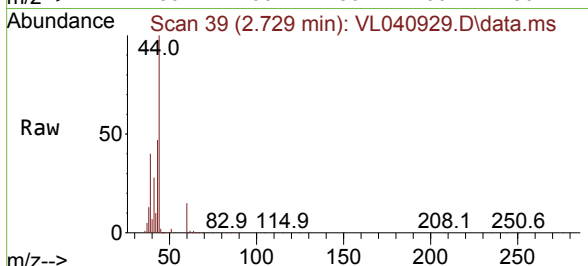
Tgt Ion: 50 Resp: 35361
Ion Ratio Lower Upper
50 100
52 38.3 28.0 42.0





#9
 Propene
 Concen: 1.309 ppbv m
 RT: 2.729 min Scan# 39
 Delta R.T. 0.039 min
 Lab File: VL040929.D
 Acq: 21 Dec 2023 14:33

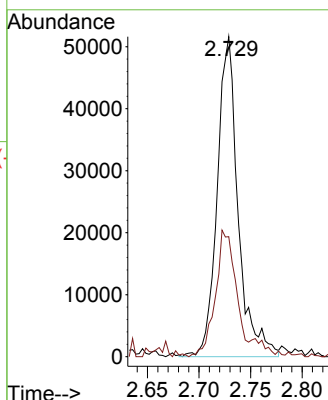
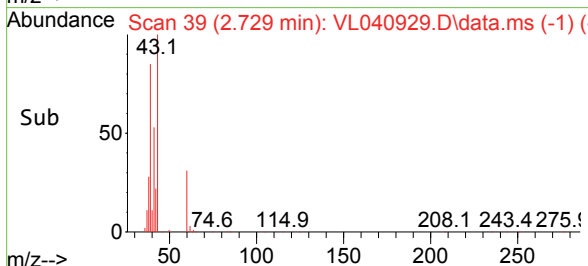
Instrument :
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 10158



Tgt Ion: 41 Resp: 7286
 Ion Ratio Lower Upper
 41 100
 42 63.1 55.8 83.6

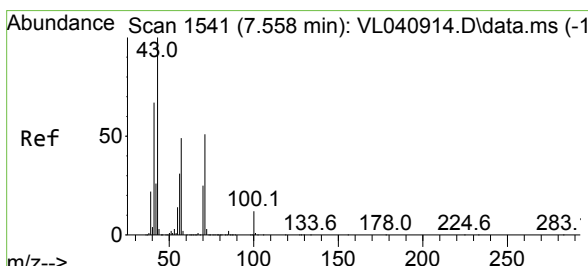
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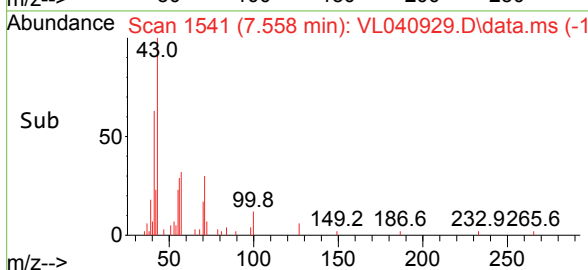
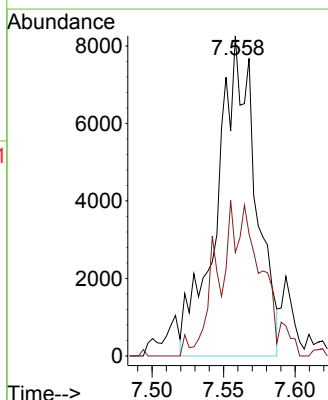
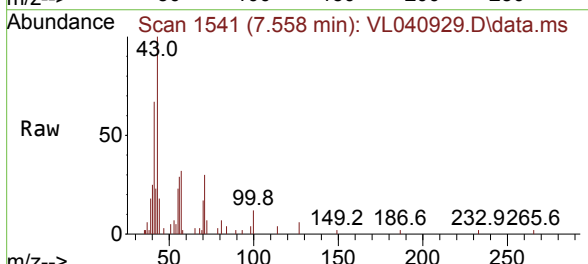
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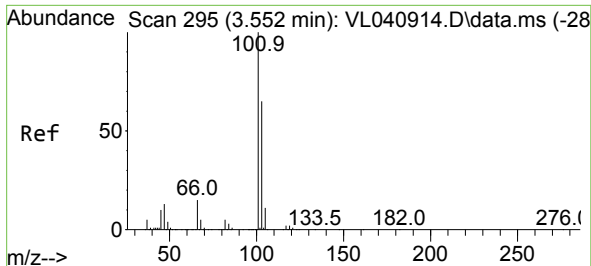
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#10
 Heptane
 Concen: 0.112 ppbv m
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VL040929.D
 Acq: 21 Dec 2023 14:33

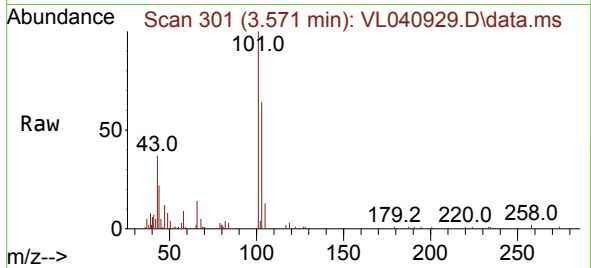
Tgt Ion: 43 Resp: 15498
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.3 58.9#





#11
Trichlorofluoromethane
Concen: 0.244 ppbv m
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

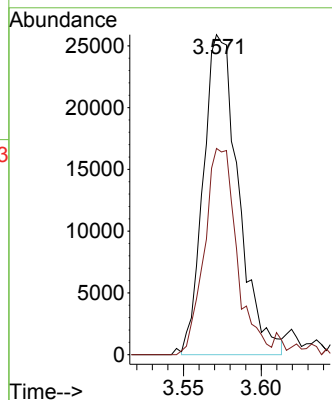
Instrument :
MSVOA_L
ClientSampleId :
10158



Tgt Ion:101 Resp: 40678
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

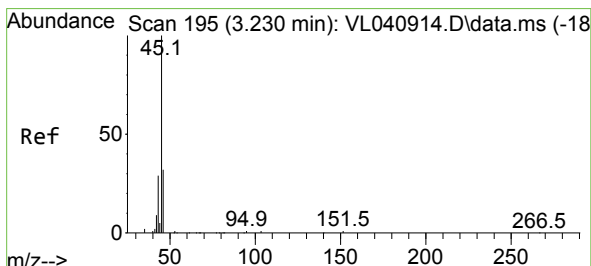
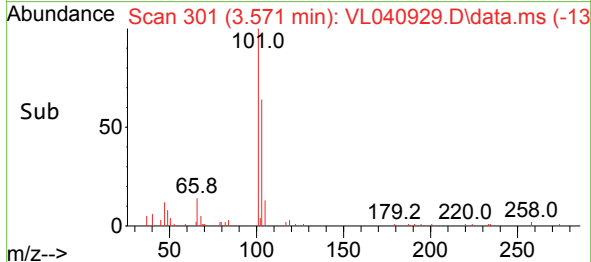
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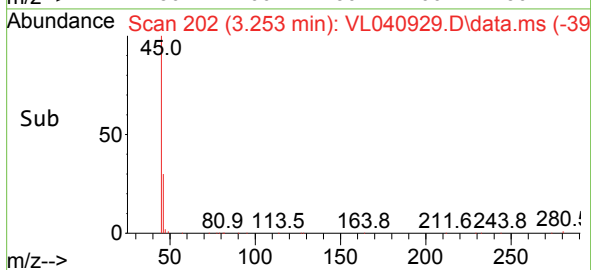
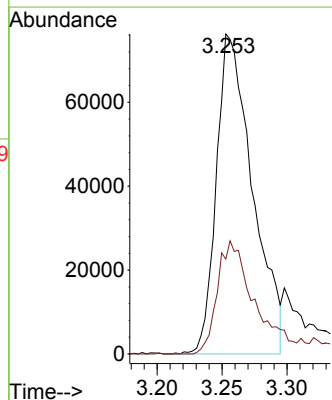
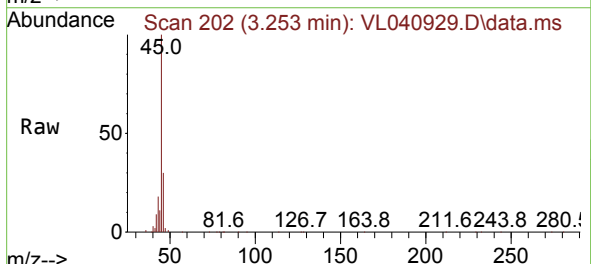
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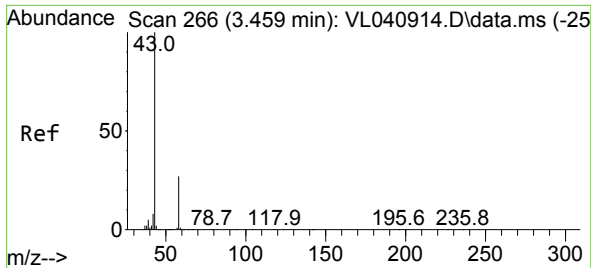
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#13
Ethanol
Concen: 10.526 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.023 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

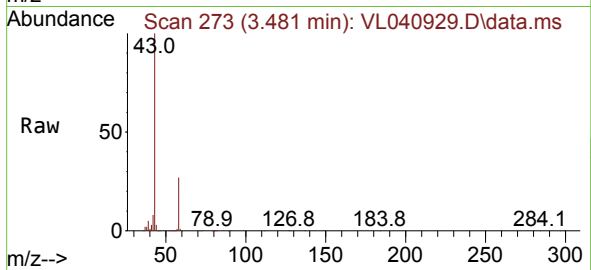
Tgt Ion: 45 Resp: 147787
Ion Ratio Lower Upper
45 100
46 41.0 15.0 60.0





#15
Acetone
Concen: 6.759 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

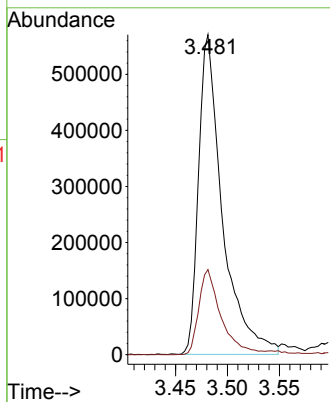
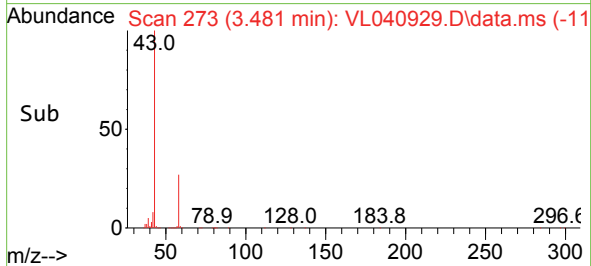
Instrument :
MSVOA_L
ClientSampleId :
10158



Tgt Ion: 43 Resp: 908614
Ion Ratio Lower Upper
43 100
58 26.0 20.6 30.8

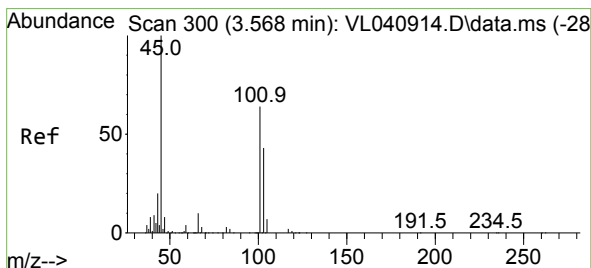
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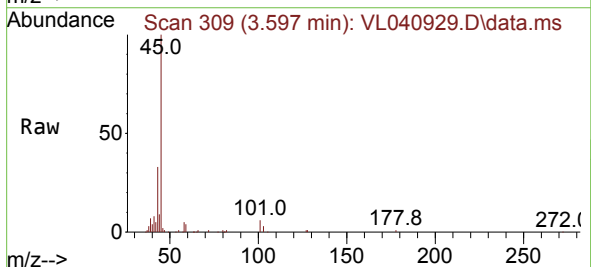


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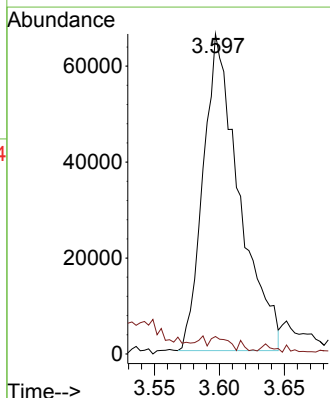
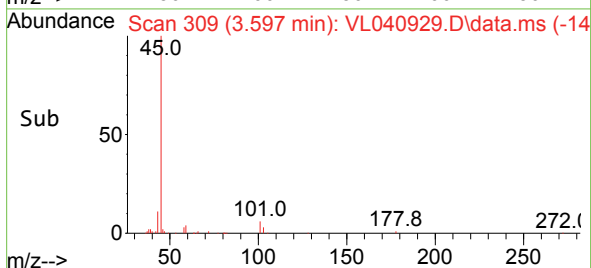
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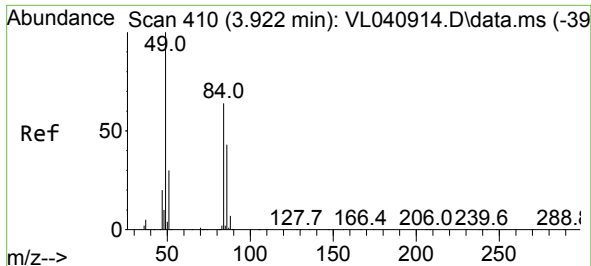


#19
Isopropyl Alcohol
Concen: 1.813 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.029 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33



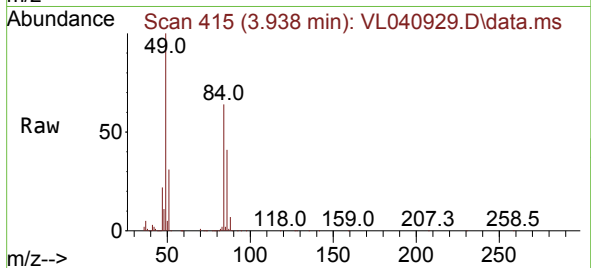
Tgt Ion: 45 Resp: 127193
Ion Ratio Lower Upper
45 100
58 5.8 1.5 2.3#





#20
Methylene Chloride
Concen: 25.937 ppbv
RT: 3.938 min Scan# 410
Delta R.T. 0.016 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Instrument :
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ClientSampleId :
10158



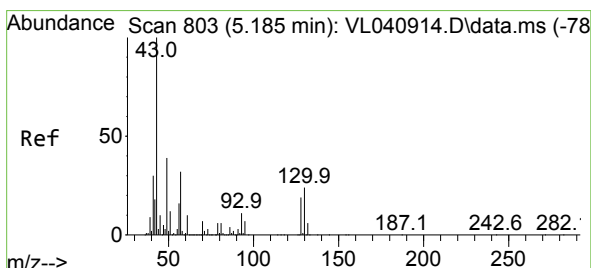
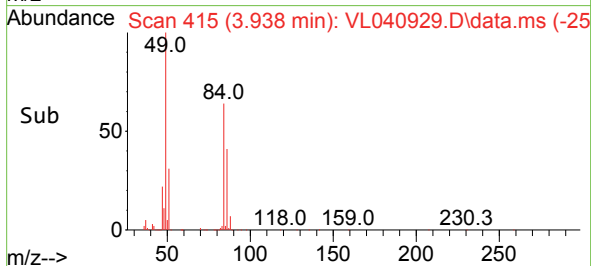
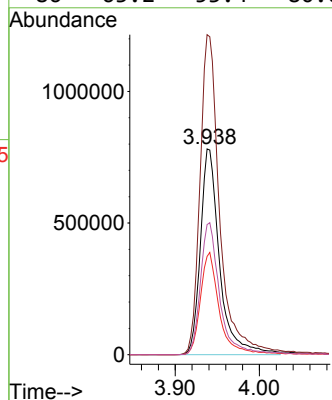
Tgt Ion: 84 Resp: 1242799
Ion Ratio Lower Upper
84 100
49 155.5 124.6 187.0
51 47.6 37.2 55.8
86 63.2 53.4 80.0

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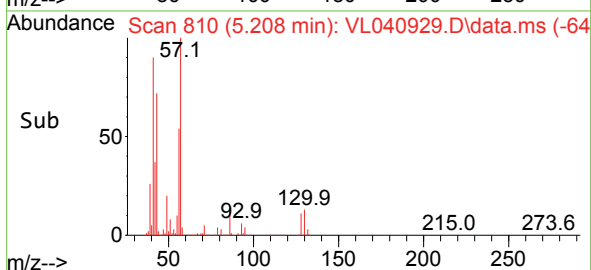
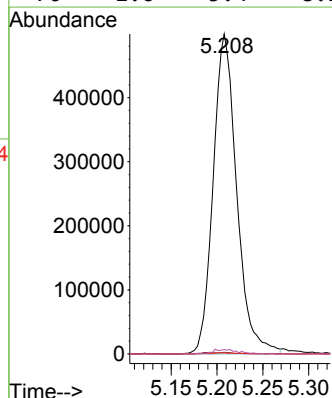
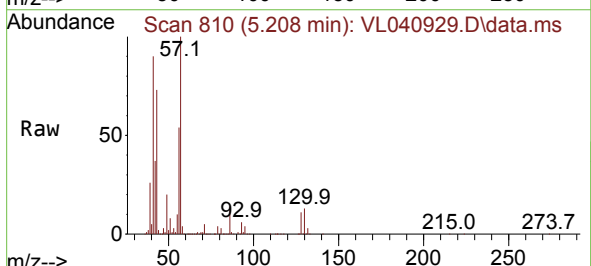
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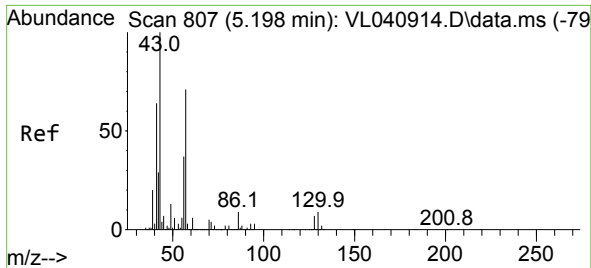
12/26/2023



#25
Ethyl Acetate
Concen: 3.823 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

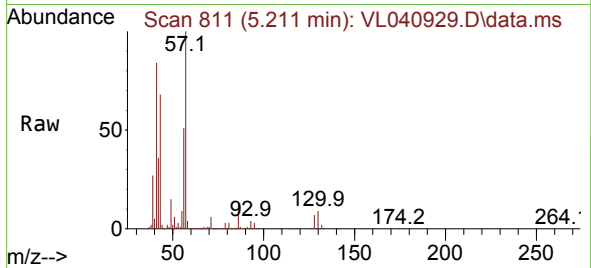
Tgt Ion: 43 Resp: 890541
Ion Ratio Lower Upper
43 100
45 0.8 8.2 12.2#
61 0.4 7.6 11.4#
70 1.6 5.4 8.2#





#26
Hexane
Concen: 12.221 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Instrument :
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ClientSampleId :
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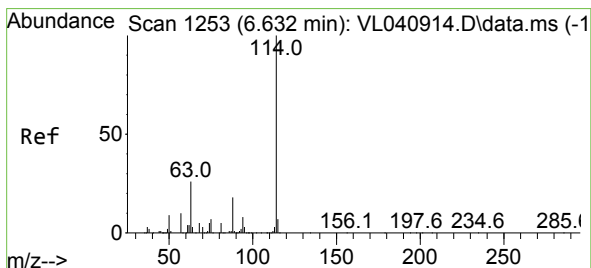
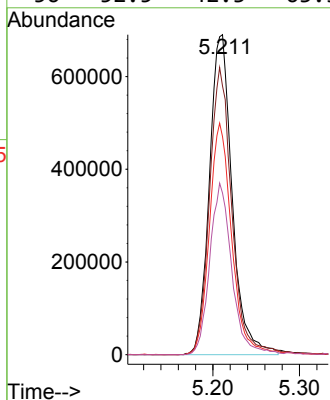
Tgt Ion: 57 Resp: 126155
Ion Ratio Lower Upper
57 100
41 89.3 75.2 112.8
43 71.6 188.0 282.0
56 52.5 42.3 63.5

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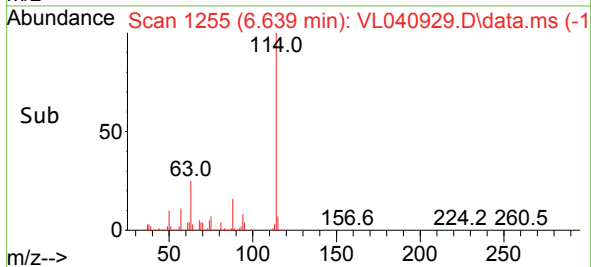
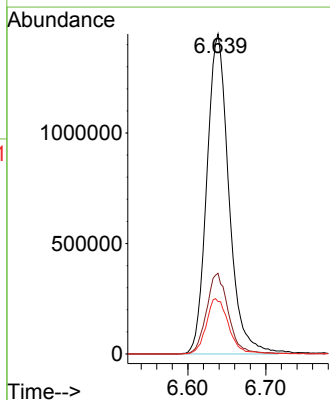
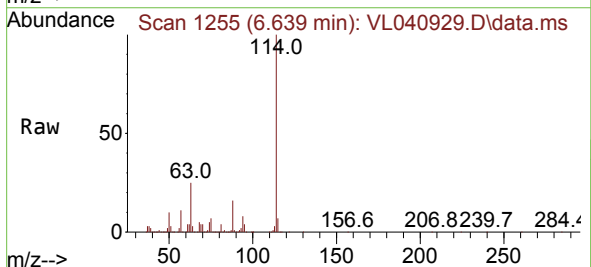
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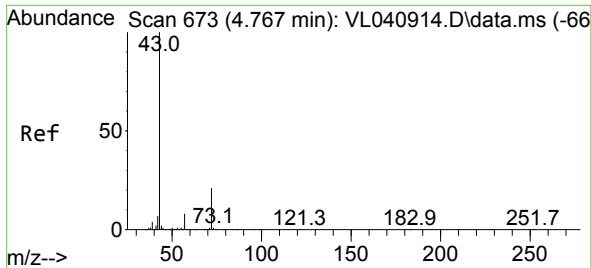
12/26/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Tgt Ion:114 Resp: 2843661
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 17.7 14.3 21.5





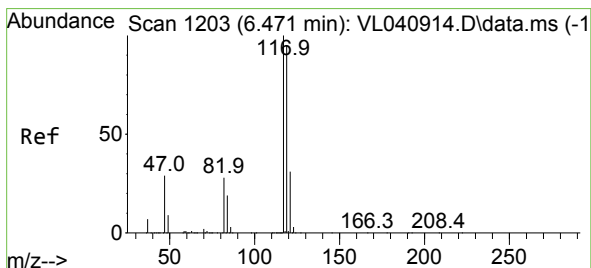
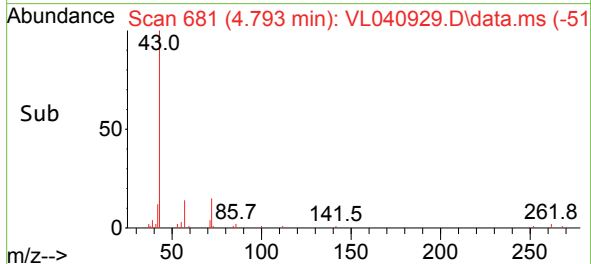
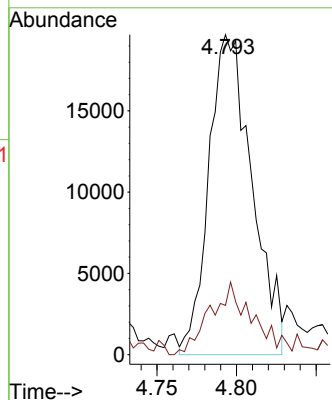
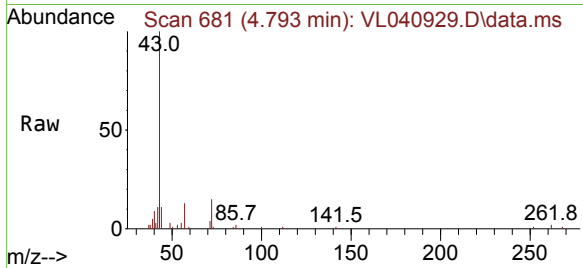
#34
2-Butanone
Concen: 0.247 ppbv m
RT: 4.793 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Instrument :
MSVOA_L
ClientSampleId :
10158

Tgt Ion: 43 Resp: 37120
Ion Ratio Lower Upper
43 100
72 7.0 17.2 25.8

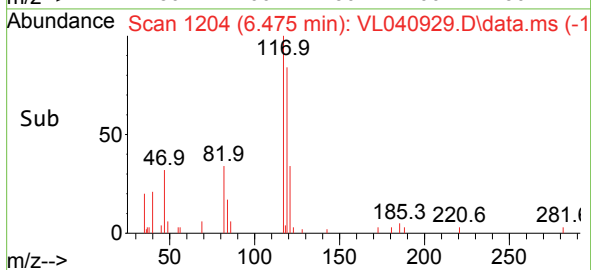
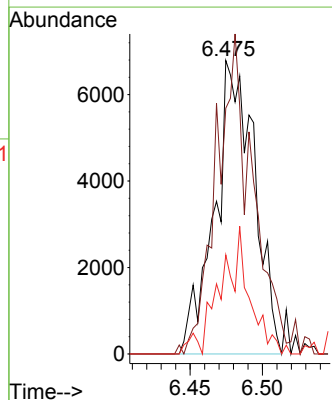
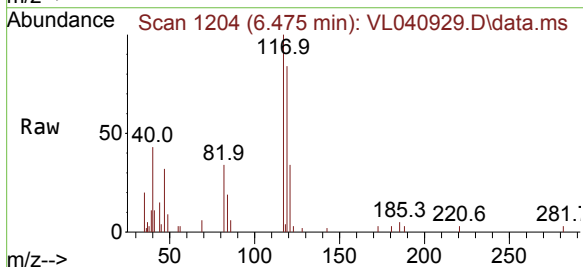
Manual Integrations
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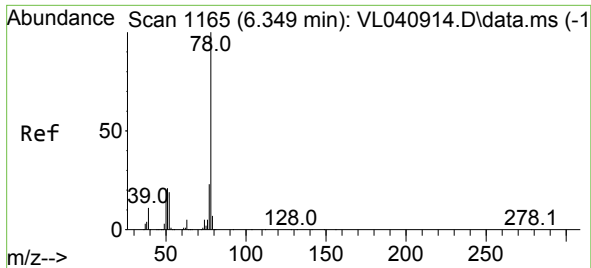
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 6.475 min Scan# 1204
Delta R.T. 0.003 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

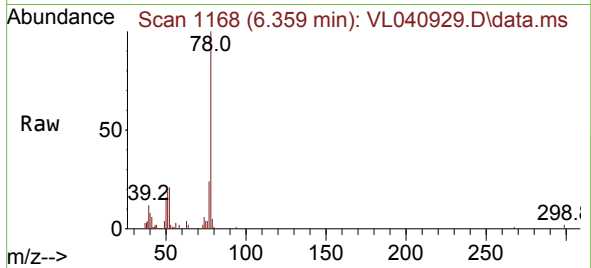
Tgt Ion:117 Resp: 13001
Ion Ratio Lower Upper
117 100
119 83.7 76.3 114.5
121 33.8 24.9 37.3





#36
Benzene
Concen: 0.194 ppbv m
RT: 6.359 min Scan# 1165
Delta R.T. 0.010 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

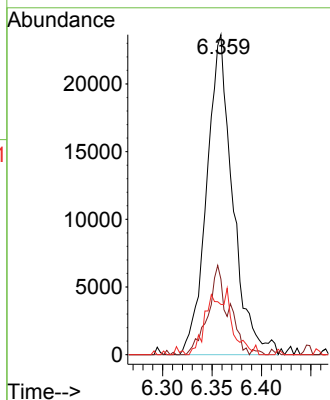
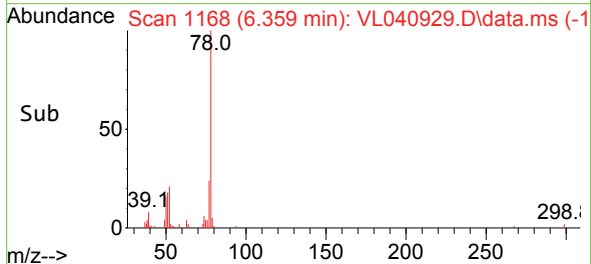
Instrument :
MSVOA_L
ClientSampleId :
10158



Tgt Ion: 78 Resp: 43130
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6
50 15.7 16.0 24.0

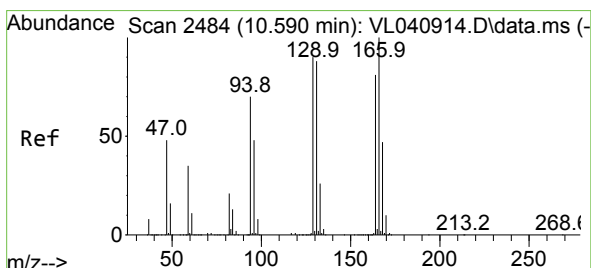
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Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

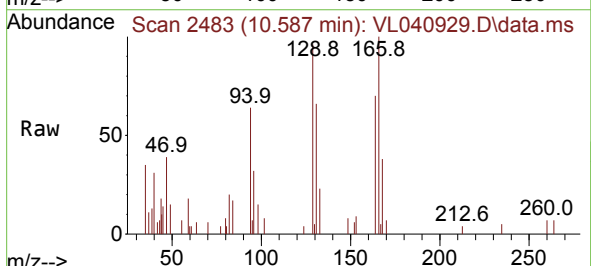


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Supervised By :Mahesh
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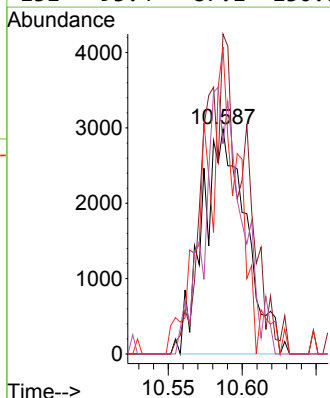
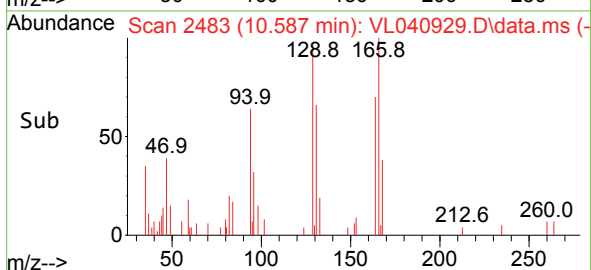
12/26/2023

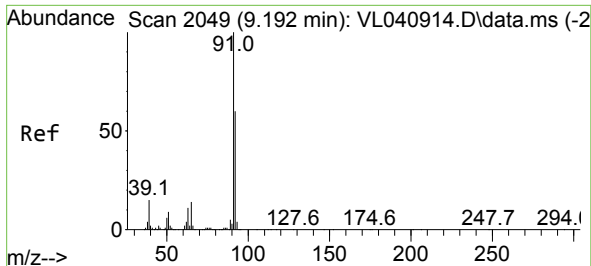


#52
Tetrachloroethene
Concen: 0.081 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33



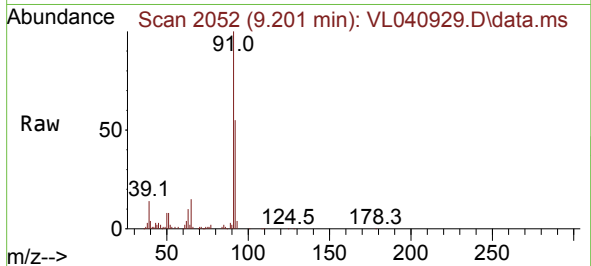
Tgt Ion:164 Resp: 6069
Ion Ratio Lower Upper
164 100
166 142.1 98.9 148.3
129 136.4 88.7 133.1#
131 93.4 87.1 130.7





#53
Toluene
Concen: 0.800 ppbv
RT: 9.201 min Scan# 2049
Delta R.T. 0.010 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

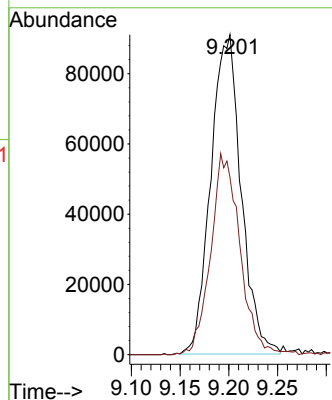
Instrument :
MSVOA_L
ClientSampleId :
10158



Tgt Ion: 91 Resp: 197214
Ion Ratio Lower Upper
91 100
92 60.9 49.2 73.8

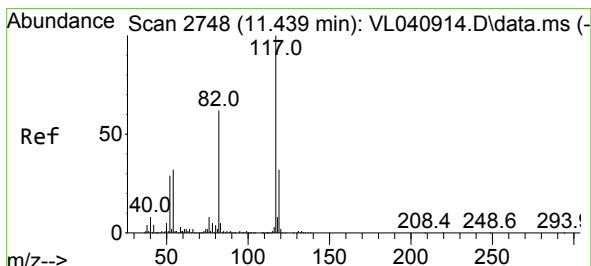
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Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



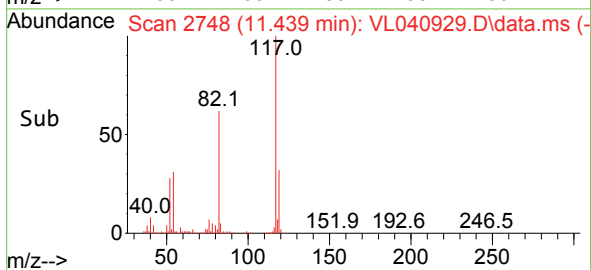
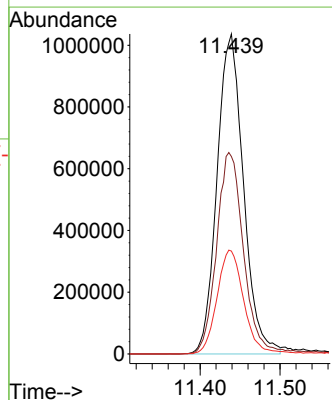
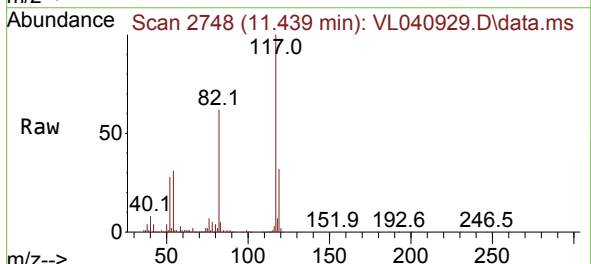
12/22/2023
Supervised By :Mahesh
Dadoda

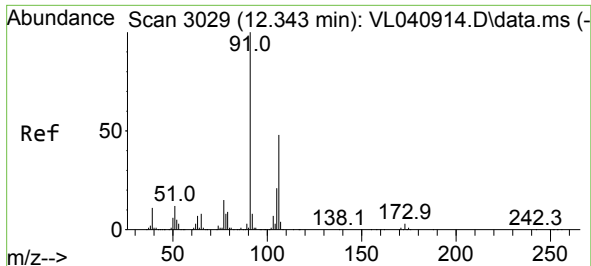
12/26/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Tgt Ion:117 Resp: 2376742
Ion Ratio Lower Upper
117 100
82 65.6 49.6 74.4
119 32.9 23.4 35.0





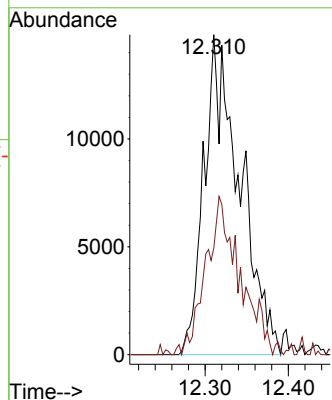
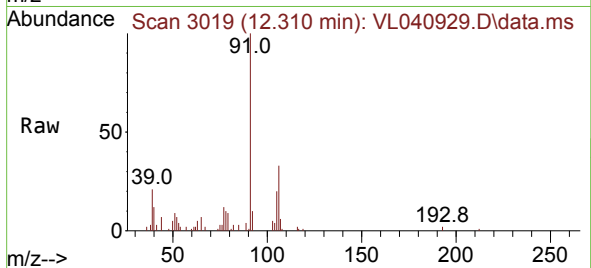
#59
m/p-Xylene
Concen: 0.170 ppbv m
RT: 12.310 min Scan# 3029
Delta R.T. -0.032 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Instrument :
MSVOA_L
ClientSampleId :
10158

Tgt Ion: 91 Resp: 4405
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

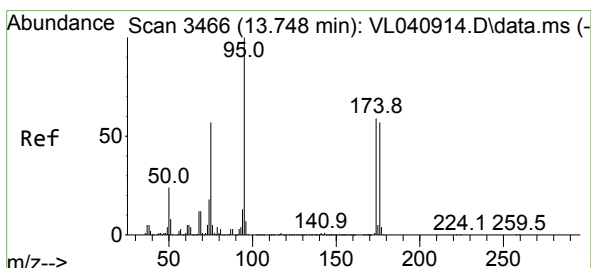
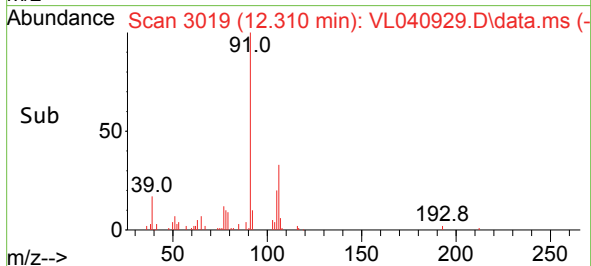
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



12/22/2023
Supervised By :Mahesh
Dadoda

12/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 13.744 min Scan# 3465
Delta R.T. -0.003 min
Lab File: VL040929.D
Acq: 21 Dec 2023 14:33

Tgt Ion: 95 Resp: 1740507
Ion Ratio Lower Upper
95 100
174 61.5 48.0 72.0
175 4.6 3.7 5.5

