

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041214.D
 Acq On : 6 May 2024 12:20
 Operator : SY/MD
 Sample : P2342-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 03-SS02

Quant Time: May 07 05:22:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

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 Dadoda

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

Internal Standards						
1) Bromochloromethane	5.192	49	805428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2107945	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	1957660	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.767	95	1444704	9.775	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	39001	0.358	ppbv	94
4) Chloromethane	2.816	50	28538	0.595	ppbv #	81
9) Propene	2.706	41	51986	1.086	ppbv #	66
11) Trichlorofluoromethane	3.565	101	28128	0.254	ppbv	91
13) Ethanol	3.240	45	1369687	127.633	ppbv	96
15) Acetone	3.468	43	1878403	19.761	ppbv	99
19) Isopropyl Alcohol	3.578	45	2080191	33.350	ppbv #	43
20) Methylene Chloride	3.935	84	115250	3.487	ppbv	97
25) Ethyl Acetate	5.208	43	151861	0.800	ppbv #	94
26) Hexane	5.214	57	119156	1.407	ppbv #	62
34) 2-Butanone	4.787	43	90167	0.840	ppbv	100
35) Carbon Tetrachloride	6.491	117	7749m	0.066	ppbv	
36) Benzene	6.369	78	26933m	0.152	ppbv	
37) 1,2-Dichloroethane	5.806	62	16844m	0.182	ppbv	
38) Trichloroethene	7.288	130	8863m	0.134	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	30559m	0.100	ppbv	
52) Tetrachloroethene	10.606	164	12095m	0.195	ppbv	
53) Toluene	9.217	91	161717	0.788	ppbv	99
59) m/p-Xylene	12.336	91	40140m	0.178	ppbv	

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

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Instrument :
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ClientSampleId :
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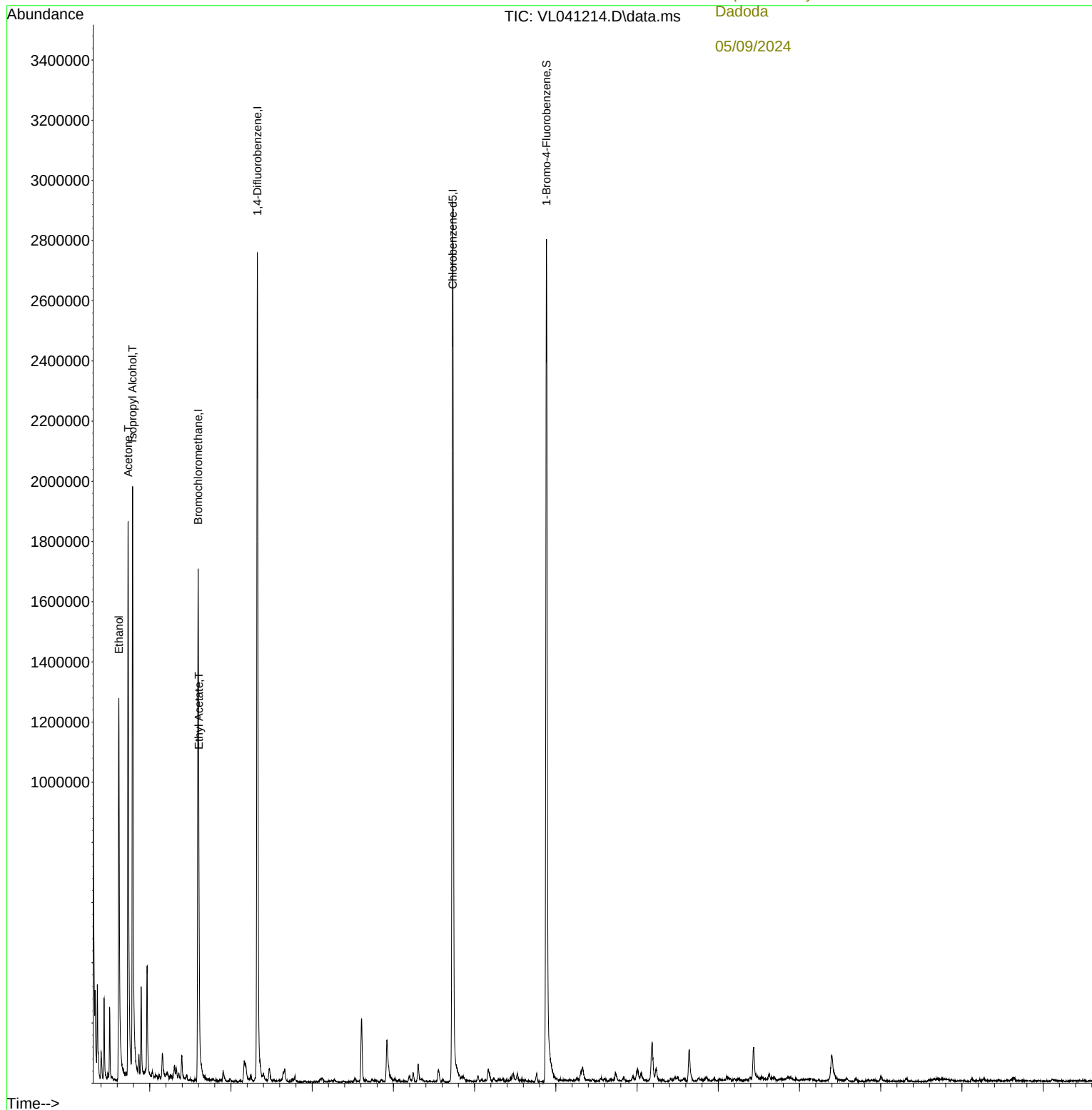
Quant Time: May 07 05:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 07 05:19:44 2024
Response via : Initial Calibration

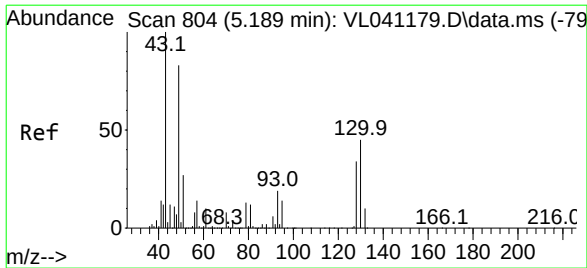
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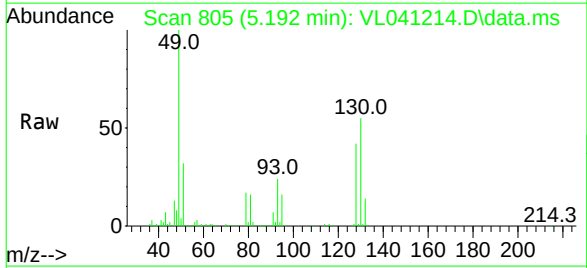
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02



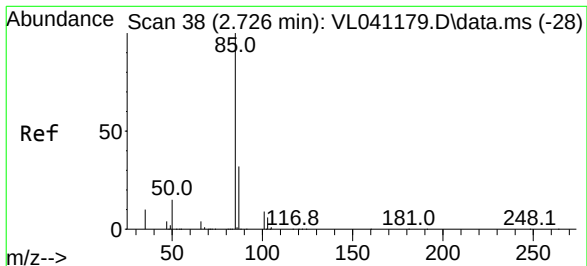
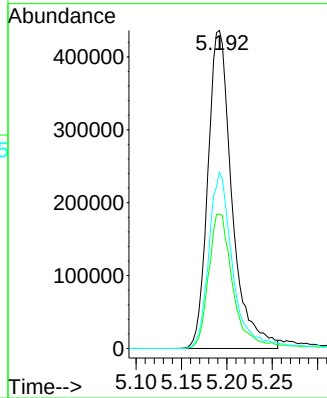
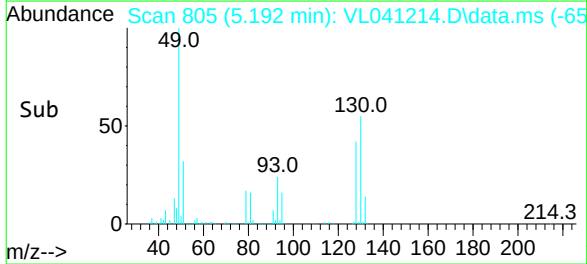
Tgt Ion: 49 Resp: 805428
Ion Ratio Lower Upper
49 100
128 43.4 21.5 64.5
130 56.4 27.2 81.6

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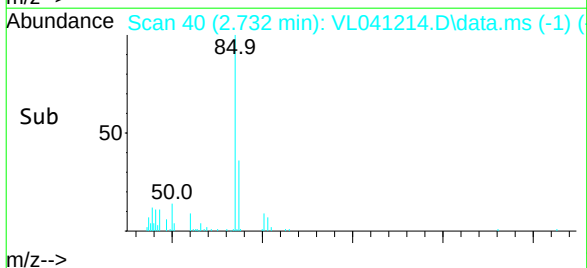
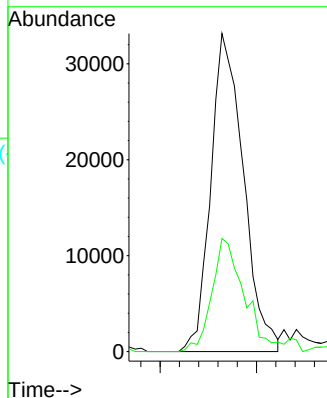
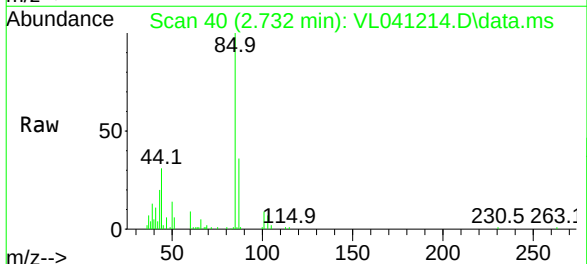
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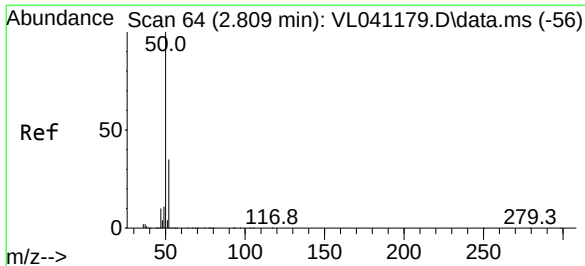
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#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 2.732 min Scan# 40
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

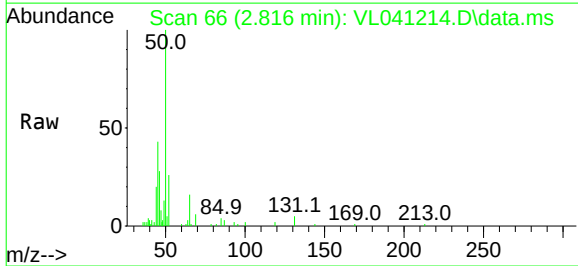
Tgt Ion: 85 Resp: 39001
Ion Ratio Lower Upper
85 100
87 35.5 25.7 38.5





#4
Chloromethane
Concen: 0.595 ppbv
RT: 2.816 min Scan# 66
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

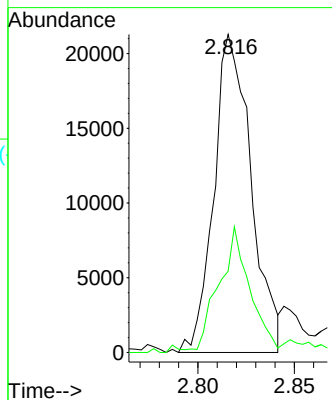
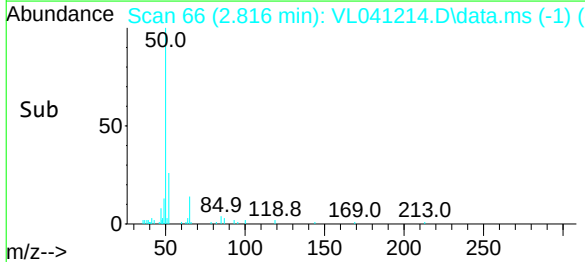
Instrument :
MSVOA_L
ClientSampleId :
03-SS02



Tgt Ion: 50 Resp: 28538
Ion Ratio Lower Upper
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52 24.5 28.3 42.5#

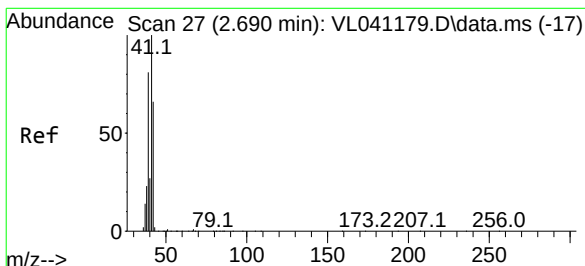
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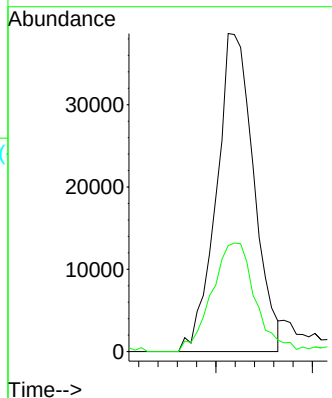
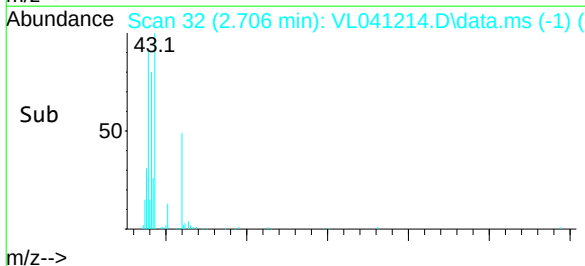
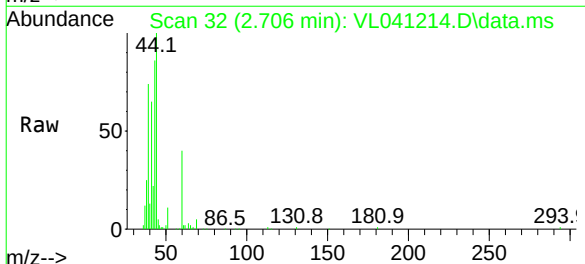
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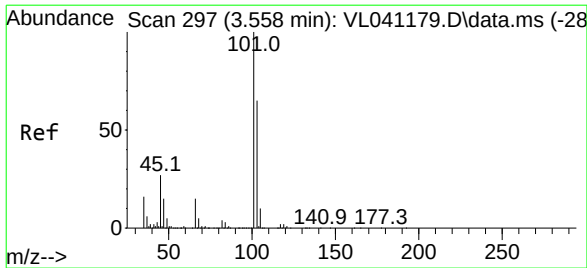
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#9
Propene
Concen: 1.086 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

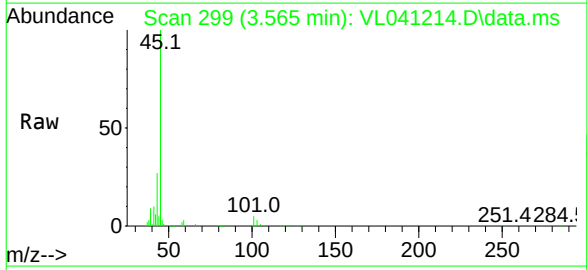
Tgt Ion: 41 Resp: 51986
Ion Ratio Lower Upper
41 100
42 41.3 55.3 82.9#





#11
Trichlorofluoromethane
Concen: 0.254 ppbv
RT: 3.565 min Scan# 297
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

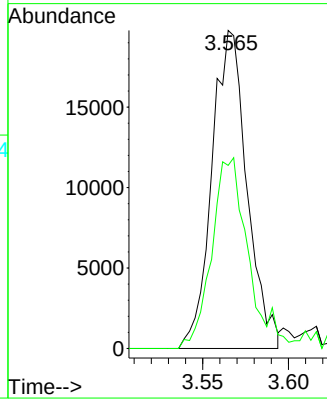
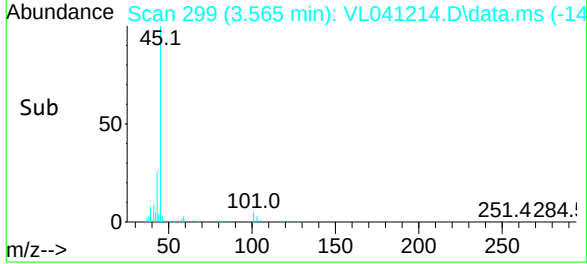
Instrument :
MSVOA_L
ClientSampleId :
03-SS02



Tgt Ion:101 Resp: 28128
Ion Ratio Lower Upper
101 100
103 57.6 51.6 77.4

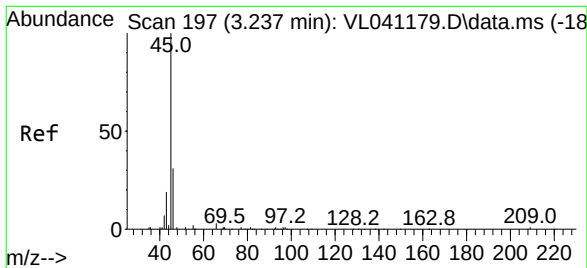
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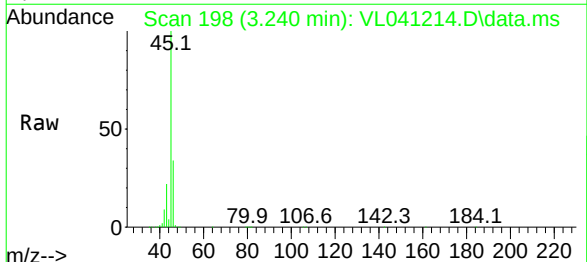


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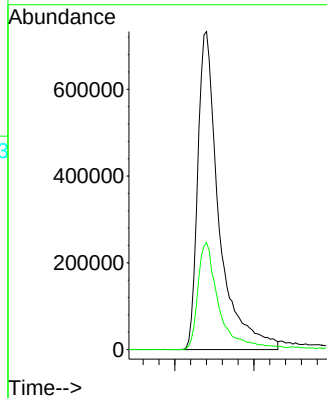
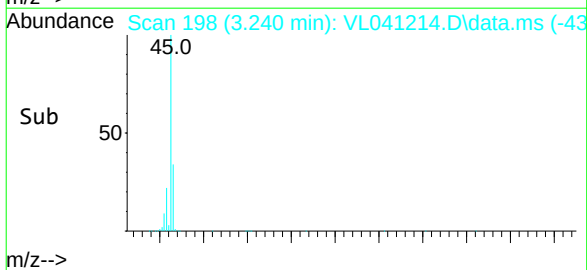
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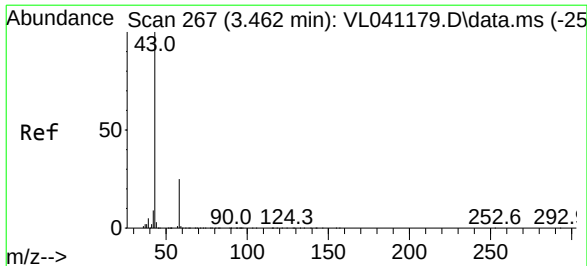


#13
Ethanol
Concen: 127.633 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20



Tgt Ion: 45 Resp: 1369687
Ion Ratio Lower Upper
45 100
46 34.5 14.8 59.0





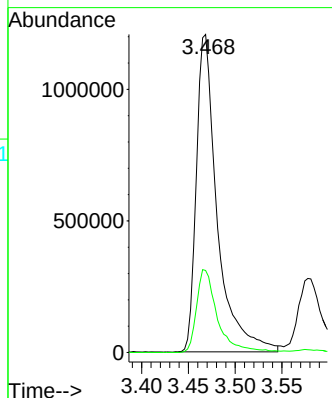
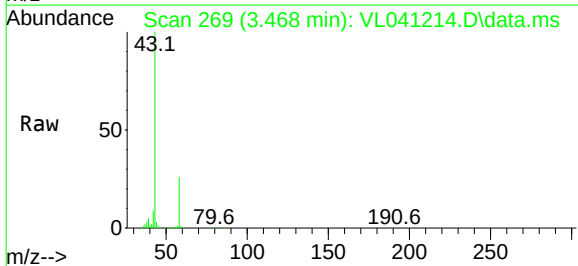
#15
Acetone
Concen: 19.761 ppbv
RT: 3.468 min Scan# 267
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02

Tgt Ion: 43 Resp: 1878403
Ion Ratio Lower Upper
43 100
58 26.4 21.4 32.0

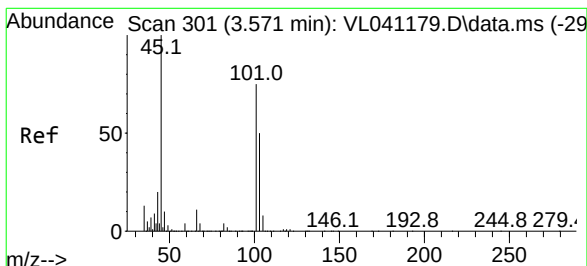
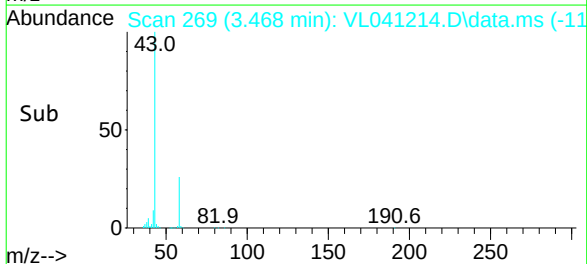
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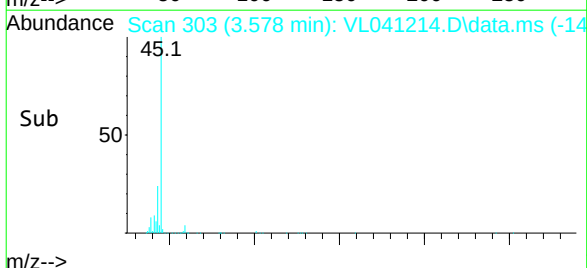
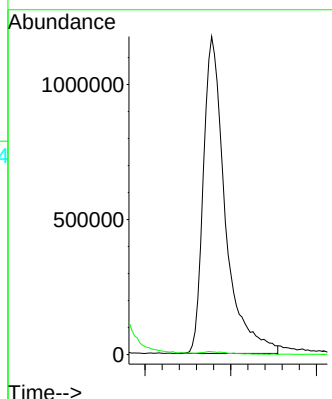
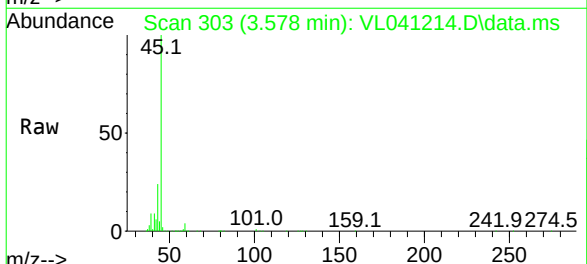
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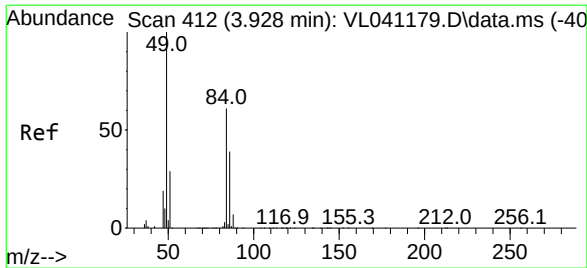
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#19
Isopropyl Alcohol
Concen: 33.350 ppbv
RT: 3.578 min Scan# 303
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

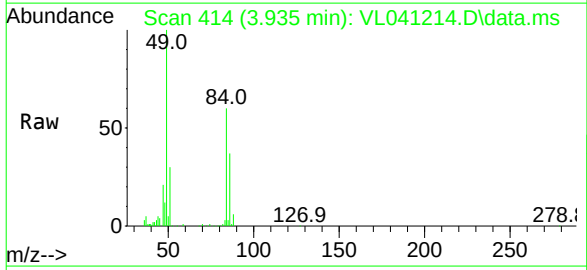
Tgt Ion: 45 Resp: 2080191
Ion Ratio Lower Upper
45 100
58 1.0 26.8 40.2#





#20
Methylene Chloride
Concen: 3.487 ppbv
RT: 3.935 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02



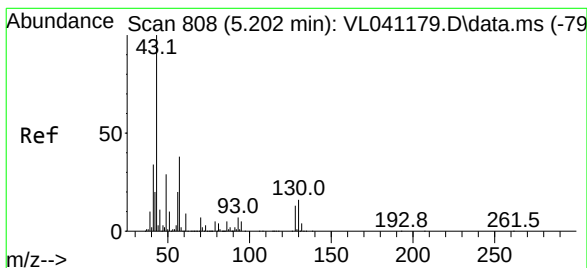
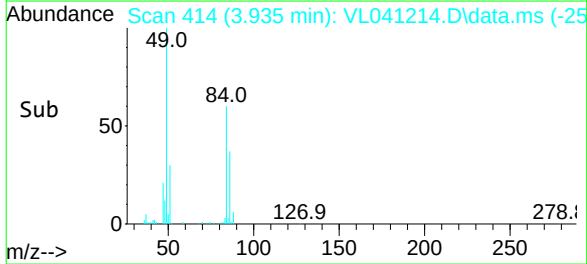
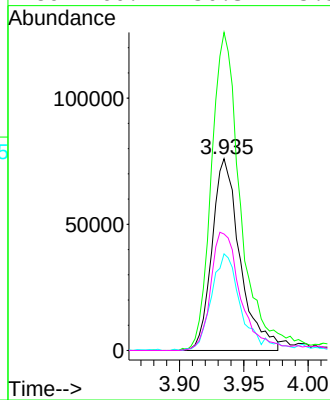
Tgt Ion:	84	Resp:	115250
Ion	Ratio	Lower	Upper
84	100		
49	165.8	130.4	195.6
51	50.1	38.0	57.0
86	60.7	50.3	75.5

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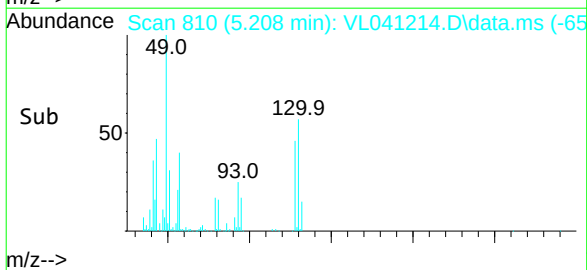
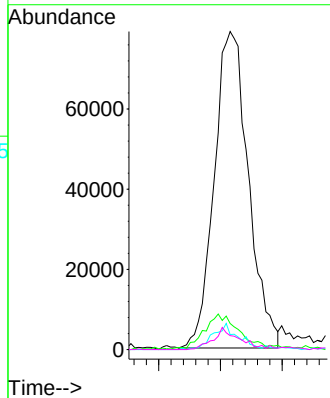
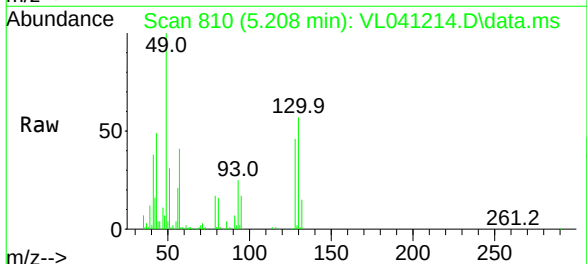
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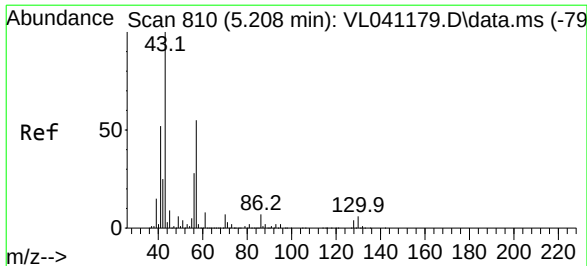
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#25
Ethyl Acetate
Concen: 0.800 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

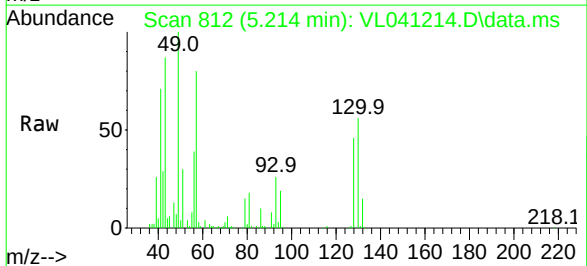
Tgt Ion:	43	Resp:	151861
Ion	Ratio	Lower	Upper
43	100		
45	12.8	8.2	12.2#
61	6.8	7.7	11.5#
70	6.0	5.8	8.6





#26
Hexane
Concen: 1.407 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02



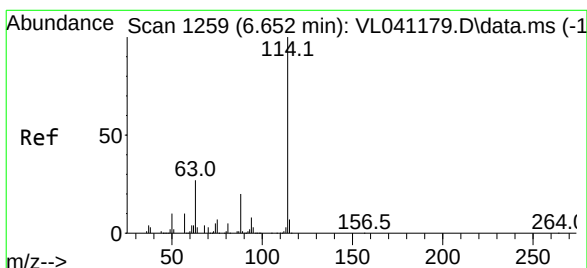
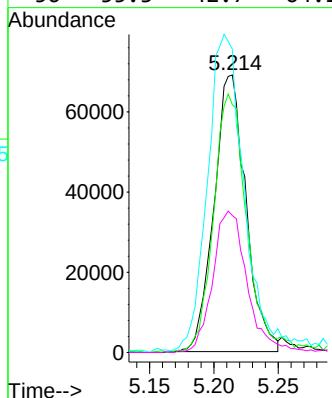
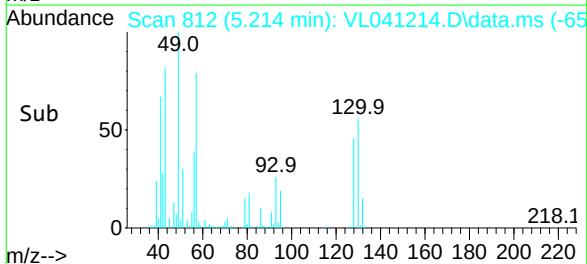
Tgt Ion: 57 Resp: 119156
Ion Ratio Lower Upper
57 100
41 100.4 75.8 113.8
43 136.0 187.0 280.4#
56 55.3 42.7 64.1

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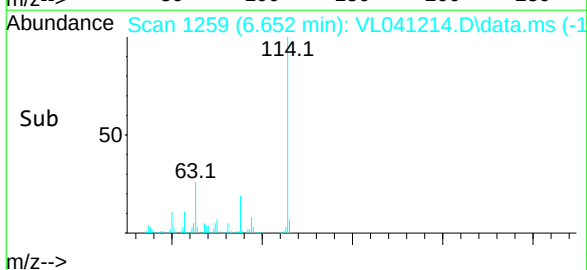
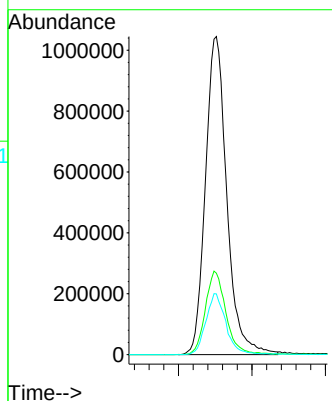
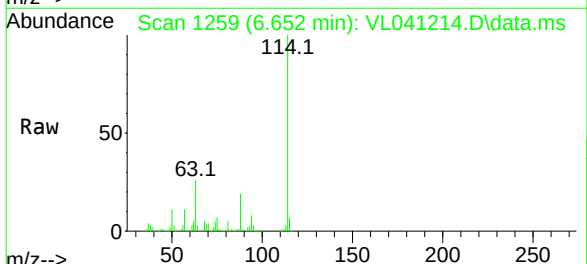
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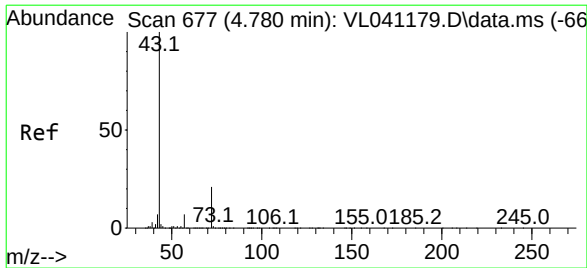
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

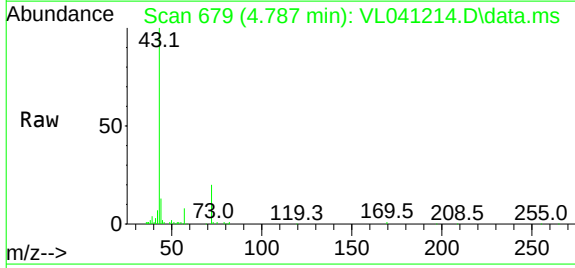
Tgt Ion:114 Resp: 2107945
Ion Ratio Lower Upper
114 100
63 25.7 21.8 32.6
88 18.2 15.2 22.8





#34
2-Butanone
Concen: 0.840 ppbv
RT: 4.787 min Scan# 677
Delta R.T. 0.000 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02



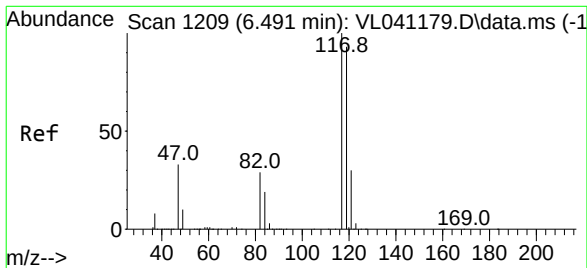
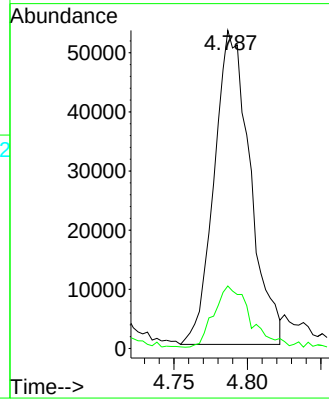
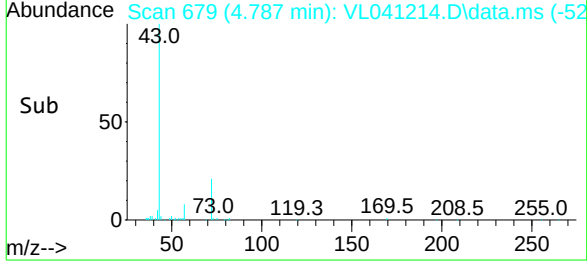
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Ion Ratio Lower Upper
43 100
72 21.8 17.3 25.9

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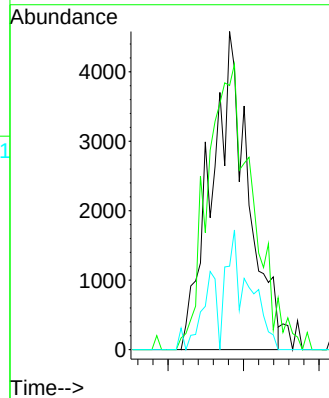
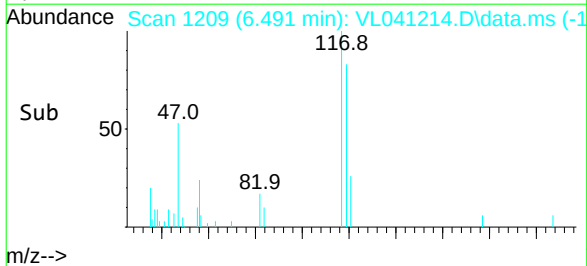
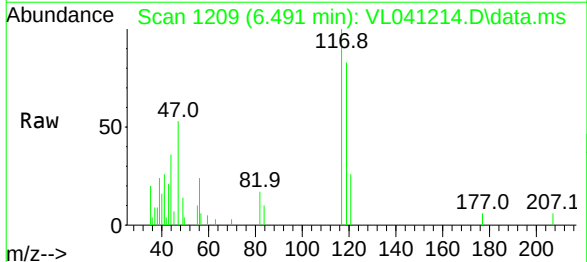
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Supervised By :Mahesh
Dadoda

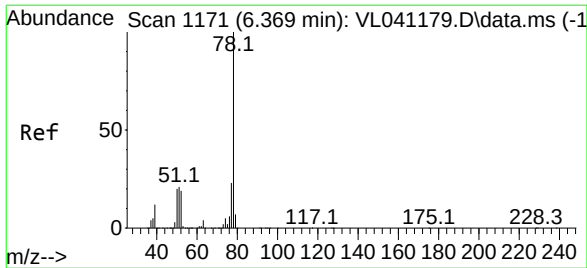
05/09/2024



#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Tgt Ion:117 Resp: 7749
Ion Ratio Lower Upper
117 100
119 83.0 74.3 111.5
121 26.2 23.8 35.8





#36

Benzene

Concen: 0.152 ppbv m

RT: 6.369 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VL041214.D

Acq: 6 May 2024 12:20

Instrument :

MSVOA_L

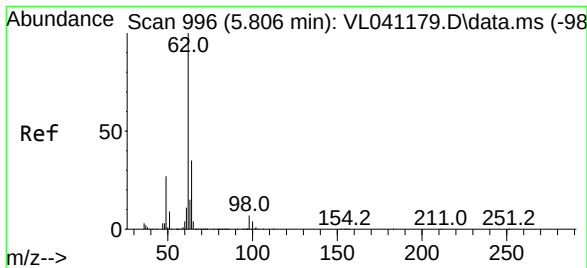
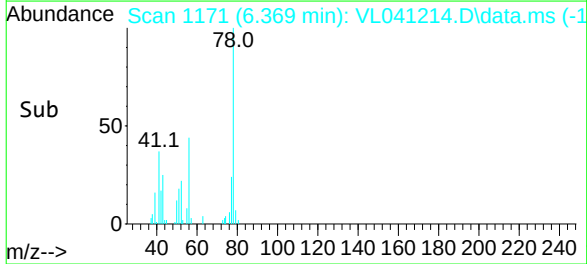
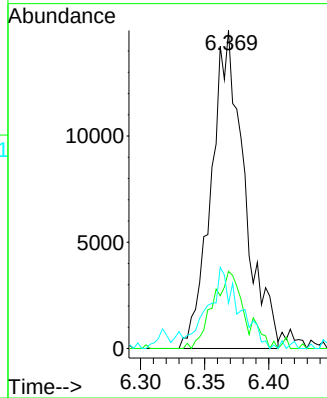
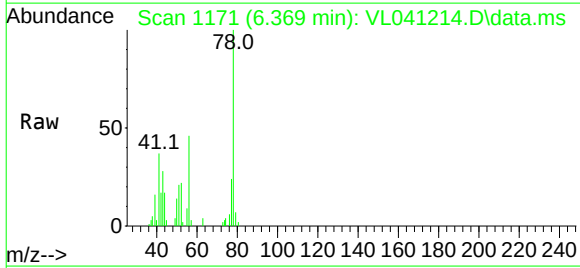
ClientSampleId :

03-SS02

Tgt	Ion: 78	Resp: 26933
Ion	Ratio	Lower Upper
78	100	
77	24.3	18.3 27.5
50	14.2	15.9 23.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#37

1,2-Dichloroethane

Concen: 0.182 ppbv m

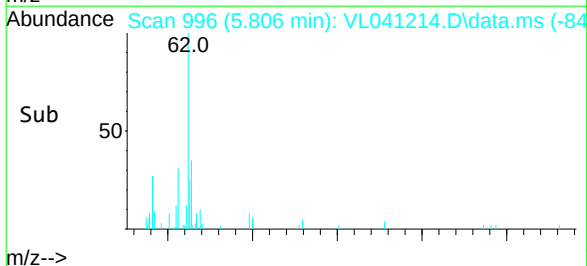
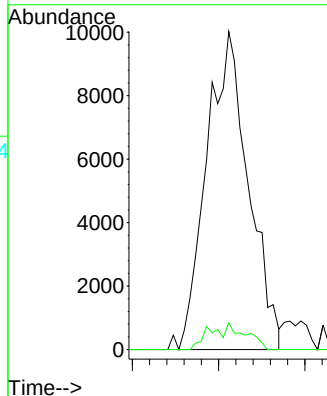
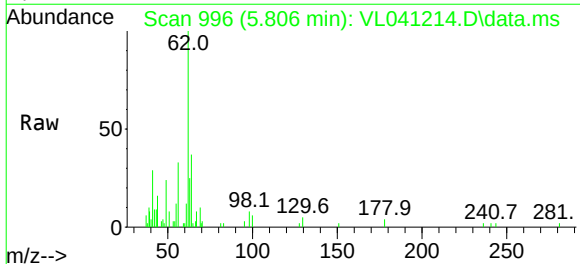
RT: 5.806 min Scan# 996

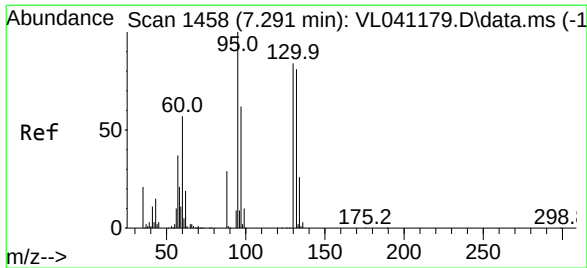
Delta R.T. -0.003 min

Lab File: VL041214.D

Acq: 6 May 2024 12:20

Tgt	Ion: 62	Resp: 16844
Ion	Ratio	Lower Upper
62	100	
98	7.1	5.0 7.4





#38
Trichloroethene
Concen: 0.134 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument : MSVOA_L
ClientSampleId : 03-SS02

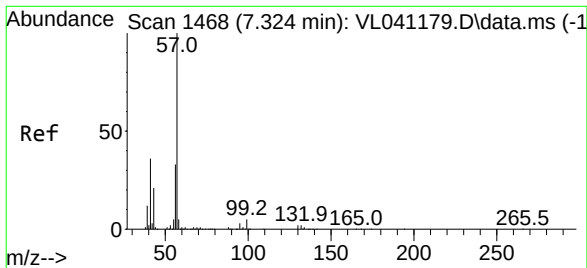
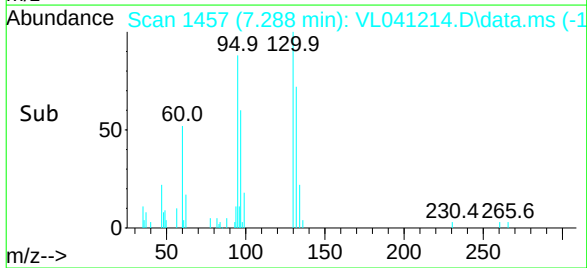
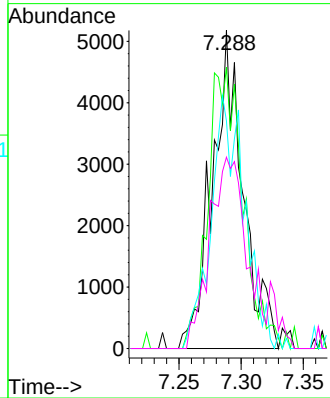
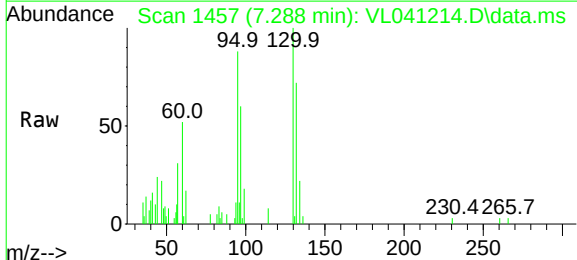
Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	95.0	142.6#
132	71.6	77.0	115.4#
97	60.1	59.1	88.7

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Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

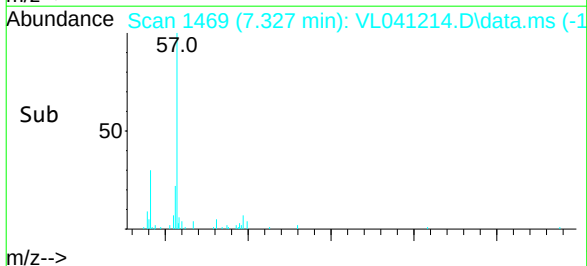
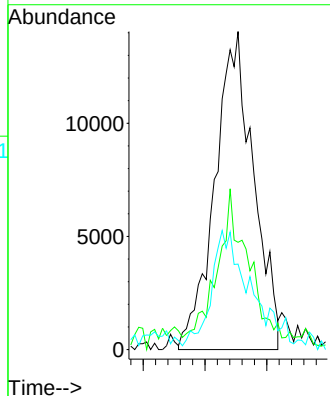
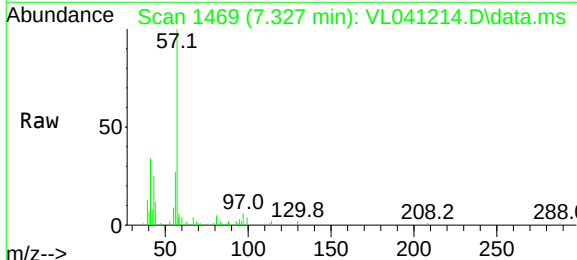
05/09/2024
Supervised By :Mahesh Dadoda

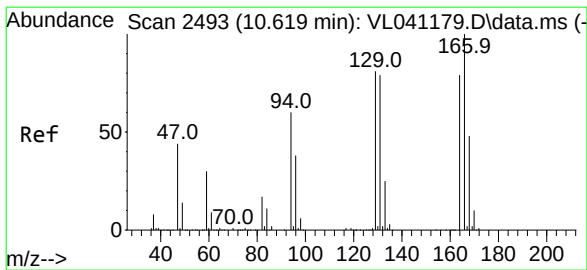
05/09/2024



#44
2,2,4-Trimethylpentane
Concen: 0.100 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

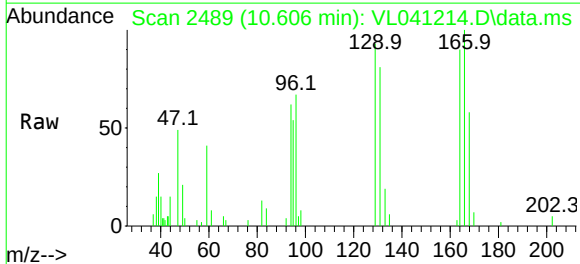
Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	29.5	44.3#
56	0.0	25.3	37.9#





#52
Tetrachloroethene
Concen: 0.195 ppbv m
RT: 10.606 min Scan# 2493
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument : MSVOA_L
ClientSampleId : 03-SS02



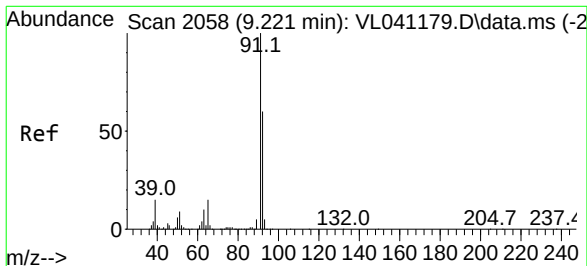
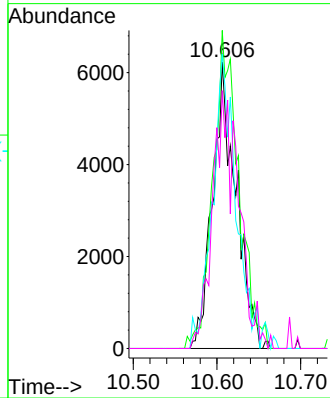
Tgt Ion: 164 Resp: 12095
Ion Ratio Lower Upper
164 100
166 111.0 101.1 151.7
129 102.7 81.7 122.5
131 90.0 80.4 120.6

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 05/09/2024
Supervised By : Mahesh Dadoda 05/09/2024

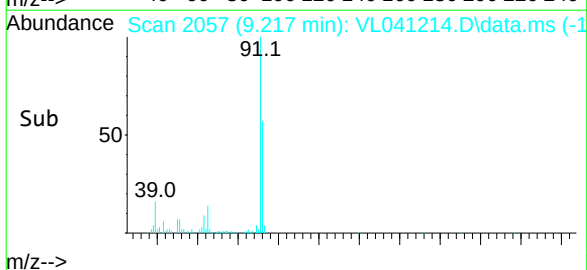
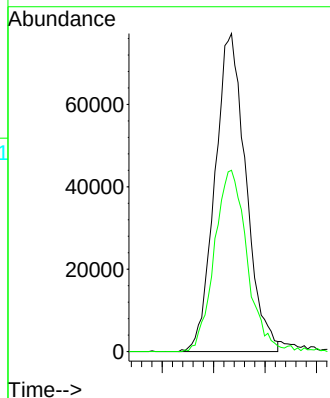
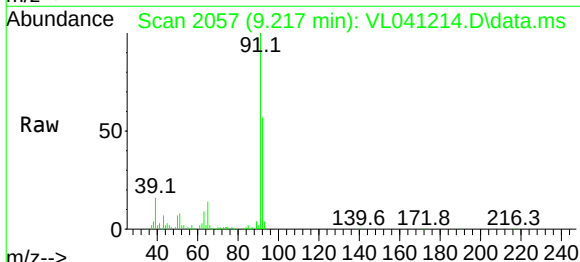
05/09/2024
Supervised By : Mahesh Dadoda

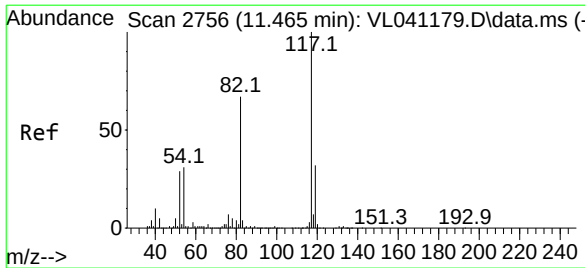
05/09/2024



#53
Toluene
Concen: 0.788 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

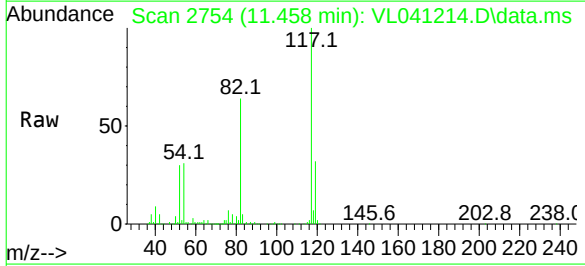
Tgt Ion: 91 Resp: 161717
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

Instrument :
MSVOA_L
ClientSampleId :
03-SS02



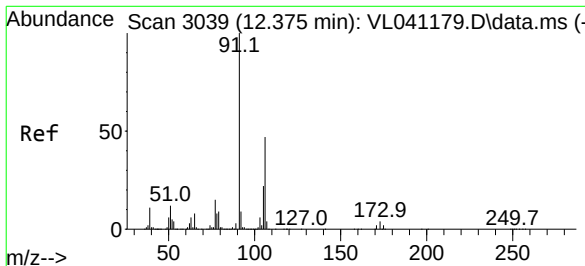
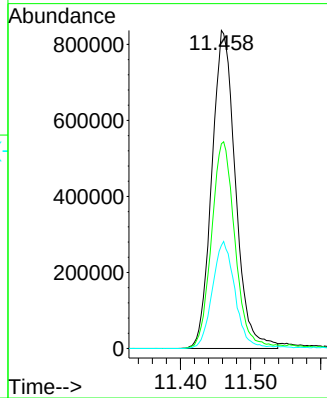
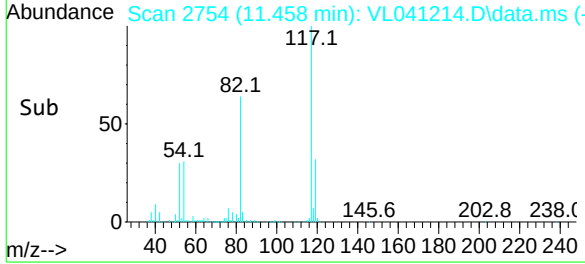
Tgt Ion:117 Resp: 1957660
Ion Ratio Lower Upper
117 100
82 66.0 53.6 80.4
119 33.4 27.2 40.8

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Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

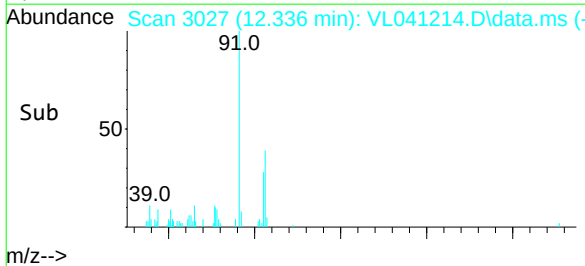
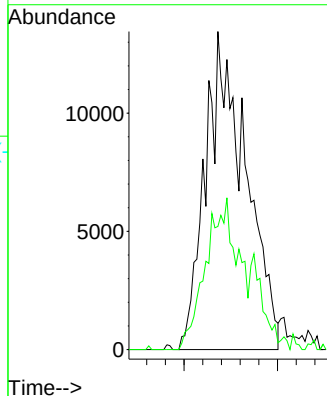
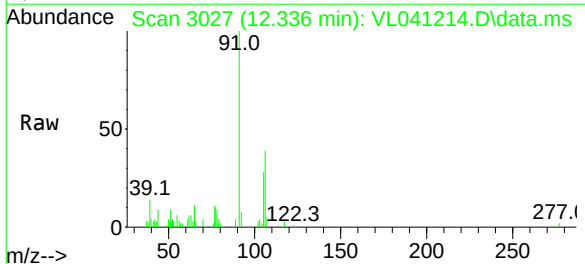
05/09/2024
Supervised By :Mahesh
Dadoda

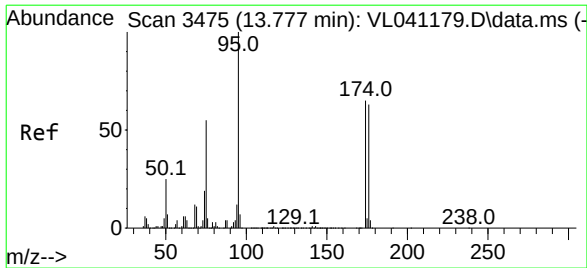
05/09/2024



#59
m/p-Xylene
Concen: 0.178 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.032 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

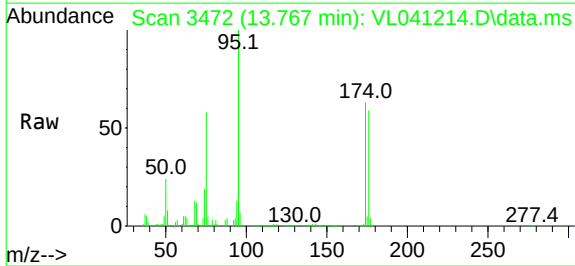
Tgt Ion: 91 Resp: 40140
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.775 ppbv
RT: 13.767 min Scan# 34
Delta R.T. -0.006 min
Lab File: VL041214.D
Acq: 6 May 2024 12:20

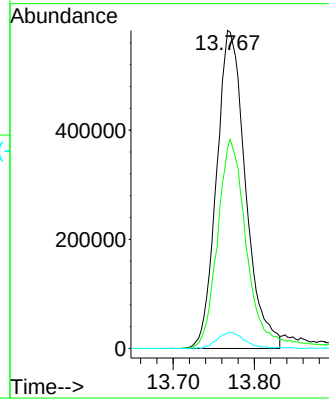
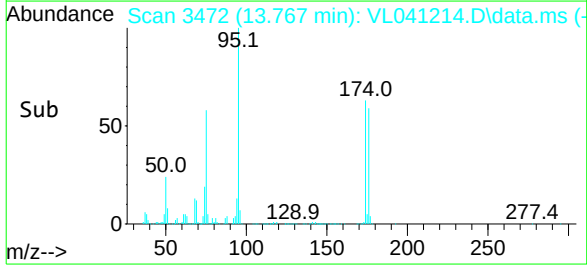
Instrument :
MSVOA_L
ClientSampleId :
03-SS02



Tgt Ion: 95 Resp: 1444704
Ion Ratio Lower Upper
95 100
174 68.0 53.6 80.4
175 5.0 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



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Supervised By :Mahesh
Dadoda

05/09/2024