

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040103.D
 Acq On : 16 Jan 2023 18:28
 Operator : SY/MD
 Sample : 01143-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BH1N3DUP

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/25/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 17 05:33:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1008960	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2513194	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2250002	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1804697	9.651	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	251481	1.421	ppbv	97
3) Chlorodifluoromethane	2.664	51	416425	3.441	ppbv	97
4) Chloromethane	2.806	50	40586	0.543	ppbv	95
11) Trichlorofluoromethane	3.562	101	847828	4.802	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.070	101	28534m	0.215	ppbv	
13) Ethanol	3.237	45	154667	33.421	ppbv	96
15) Acetone	3.468	43	295837	2.445	ppbv #	86
18) 1,1-Dichloroethene	3.877	96	78006m	1.353	ppbv	
20) Methylene Chloride	3.931	84	285143	5.341	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	21206	0.360	ppbv	94
26) Hexane	5.214	57	201167	2.156	ppbv #	38
28) Methyl tert-Butyl Ether	4.597	73	124686m	1.188	ppbv	
29) Chloroform	5.272	83	61463	0.412	ppbv	85
31) cis-1,2-Dichloroethene	5.079	61	900640	9.972	ppbv	97
32) 1,1,1-Trichloroethane	6.008	97	21675	0.143	ppbv #	84
35) Carbon Tetrachloride	6.500	117	34352m	0.242	ppbv	
36) Benzene	6.378	78	45483	0.245	ppbv	97
38) Trichloroethene	7.301	130	4555426	43.157	ppbv	99
52) Tetrachloroethene	10.632	164	2638838	43.372	ppbv	99
53) Toluene	9.237	91	62096	0.313	ppbv	98

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

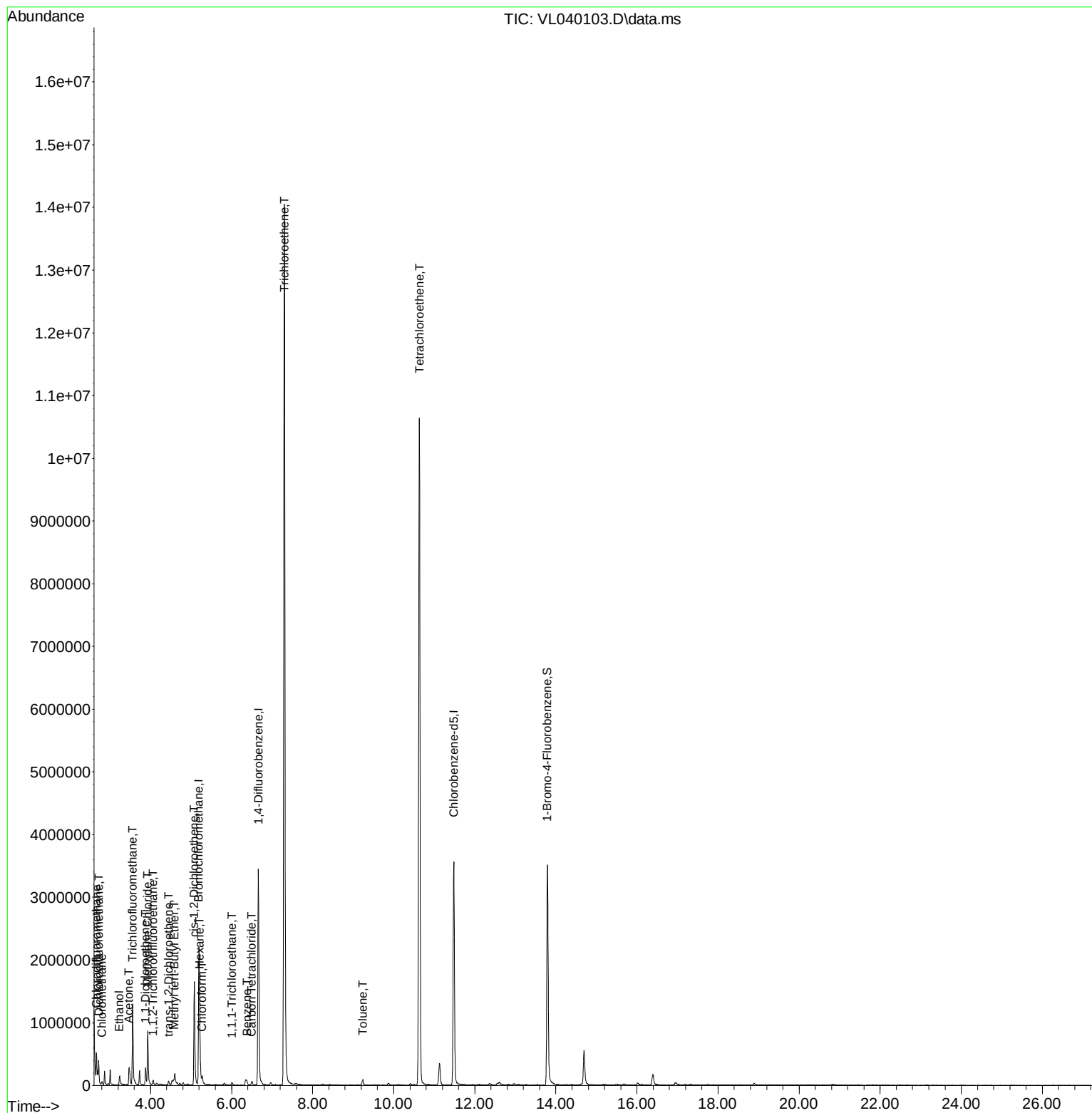
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
Data File : VL040103.D
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Operator : SY/MD
Sample : 01143-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

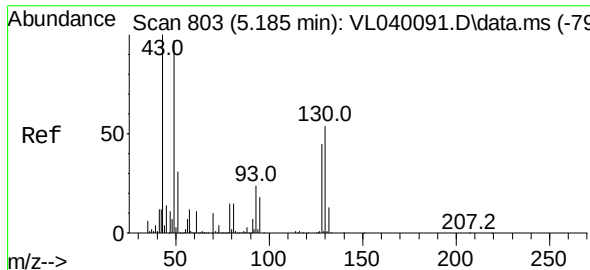
Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

Quant Time: Jan 17 05:33:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 01/25/2023





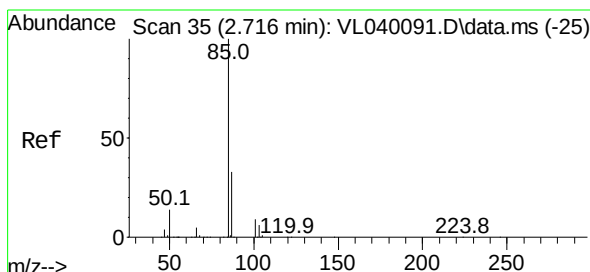
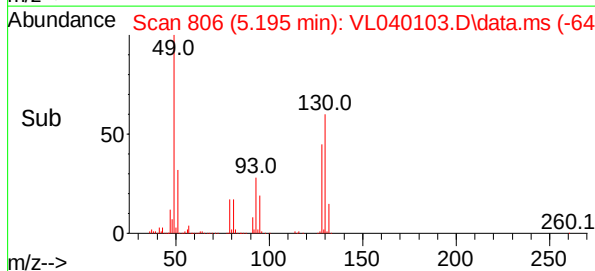
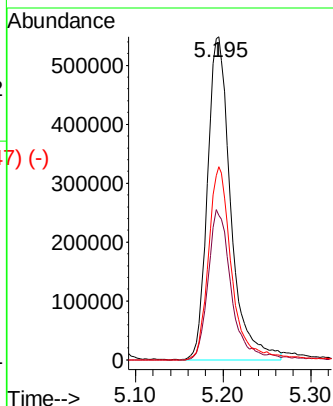
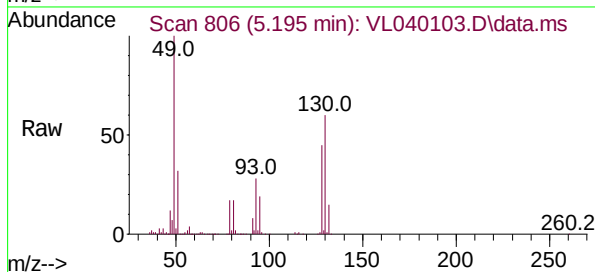
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 803
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

Tgt Ion: 49 Resp: 100896
Ion Ratio Lower Upper
49 100
128 47.2 23.6 71.0
130 61.2 29.8 89.3

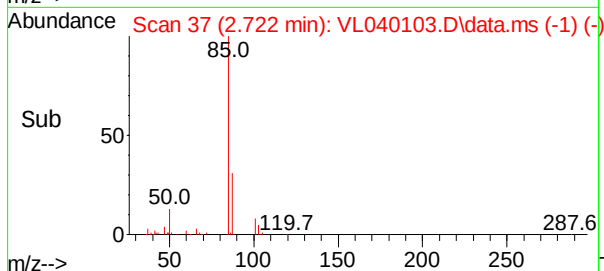
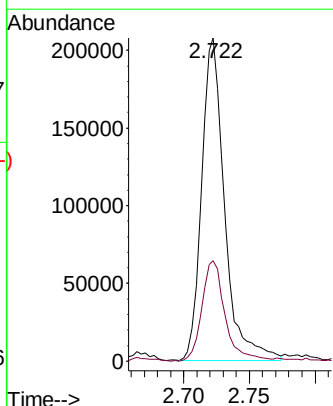
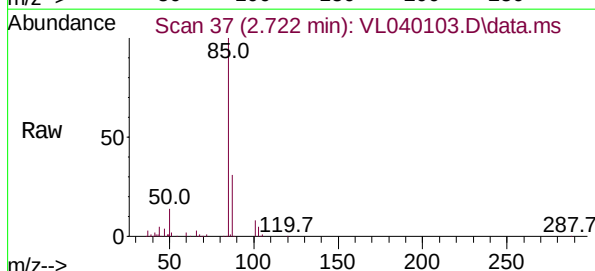
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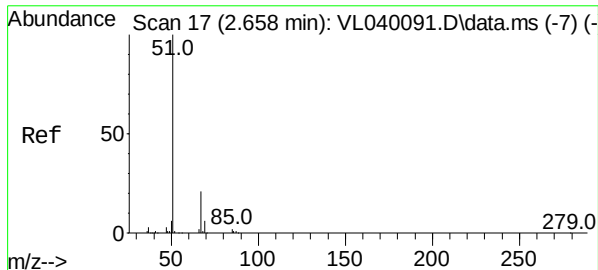
Reviewed By :Krupa Patel 01/25/2023
Supervised By :Mahesh Dadoda 01/25/2023



Dichlorodifluoromethane
Concen: 1.421 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 85 Resp: 251481
Ion Ratio Lower Upper
85 100
87 31.2 26.5 39.7





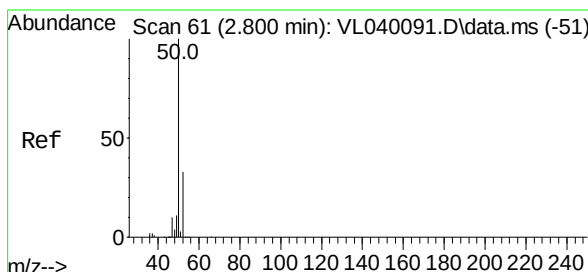
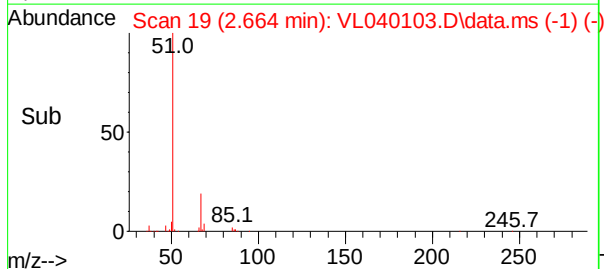
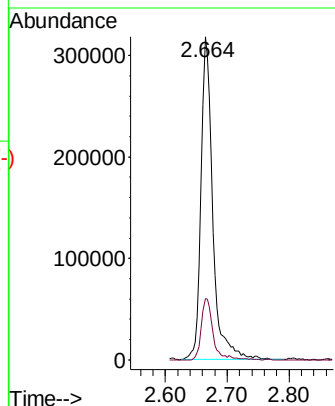
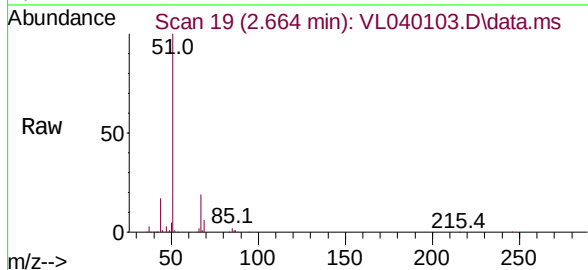
Chlorodifluoromethane
Concen: 3.441 ppbv
RT: 2.664 min Scan# 17
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument : MSVOA_L
ClientSampleId : BH1N3DUP

Tgt Ion: 51 Resp: 41642
Ion Ratio Lower Upper
51 100
67 19.1 16.4 24.6

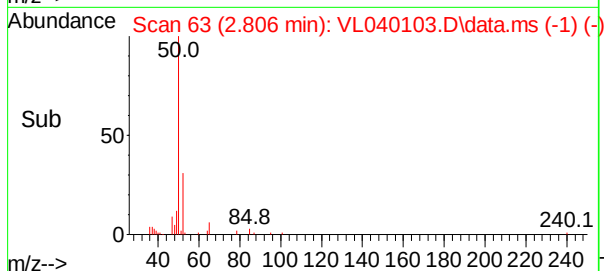
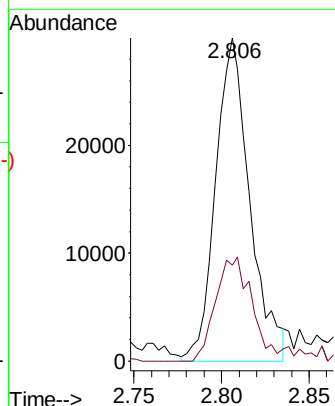
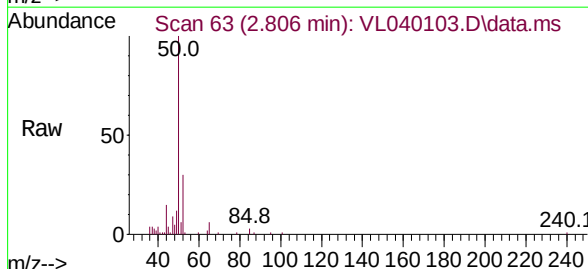
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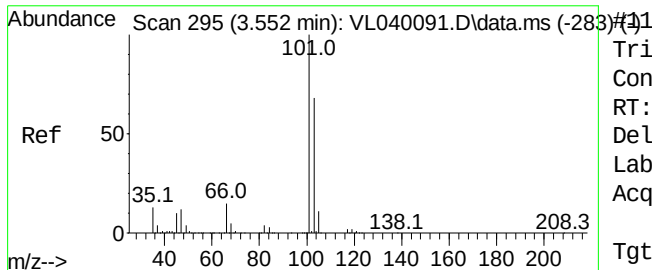
Reviewed By :Krupa Patel 01/25/2023
Supervised By :Mahesh Dadoda 01/25/2023



Chloromethane
Concen: 0.543 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 50 Resp: 40586
Ion Ratio Lower Upper
50 100
52 30.6 26.5 39.7





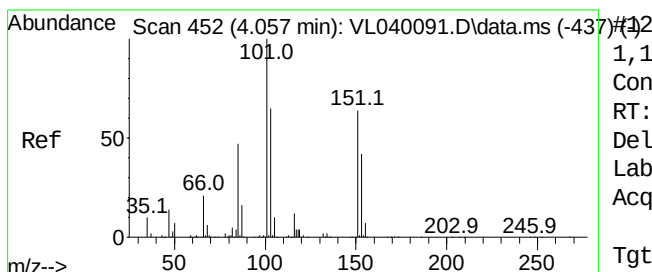
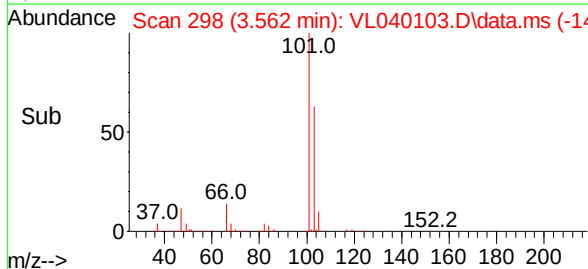
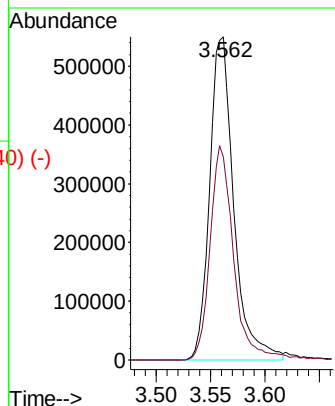
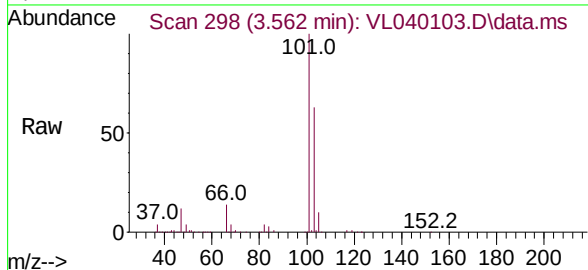
Trichlorofluoromethane
Concen: 4.802 ppbv
RT: 3.562 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument : MSVOA_L
ClientSampleId : BH1N3DUP

Tgt Ion:101 Resp: 84782
Ion Ratio Lower Upper
101 100
103 62.8 54.0 81.0

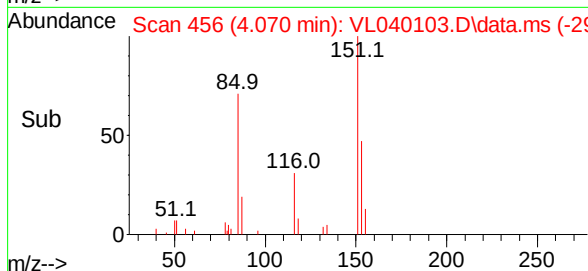
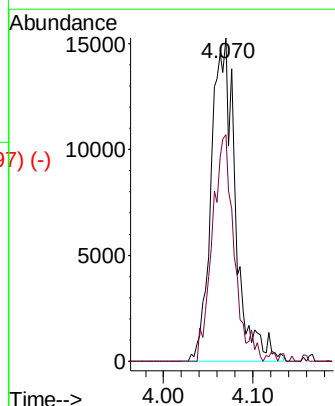
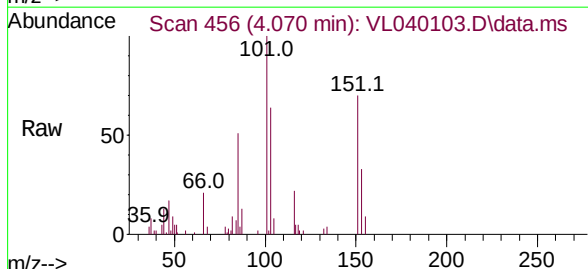
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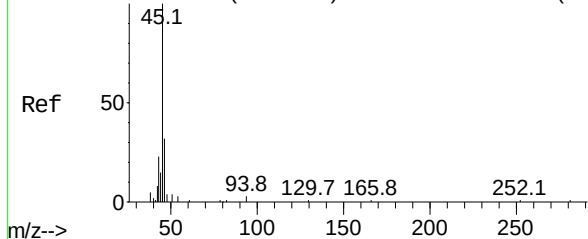


1,1,2-Trichlorotrifluoroethane
Concen: 0.215 ppbv m
RT: 4.070 min Scan# 456
Delta R.T. 0.013 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion:101 Resp: 28534
Ion Ratio Lower Upper
101 100
151 65.0 53.2 79.8



Abundance Scan 196 (3.234 min): VL040091.D\data.ms (-182) #13



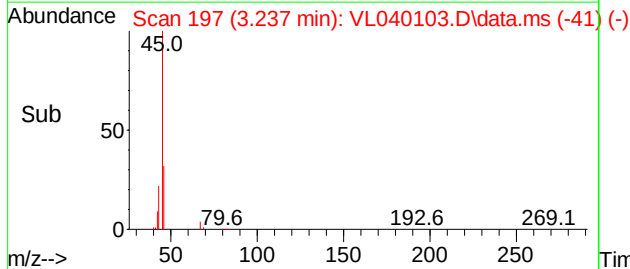
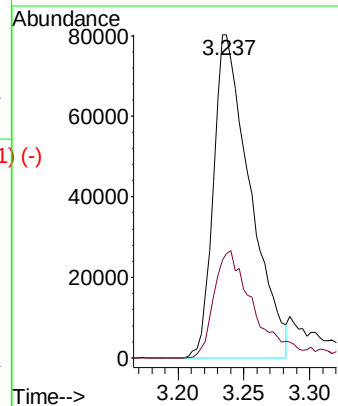
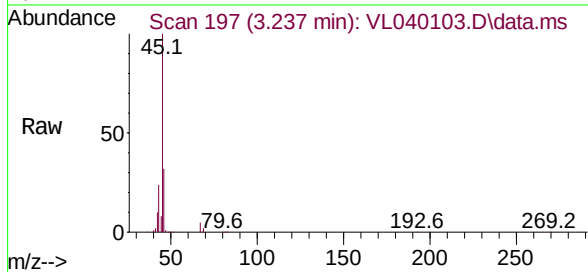
Ethanol
Concen: 33.421 ppbv
RT: 3.237 min Scan# 196
Delta R.T. 0.003 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument : MSVOA_L
ClientSampleId : BH1N3DUP

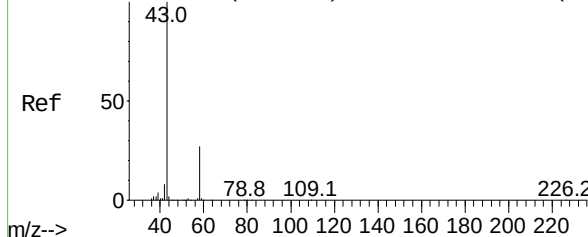
Tgt Ion: 45 Resp: 15460
Ion Ratio Lower Upper
45 100
46 39.5 14.8 59.2

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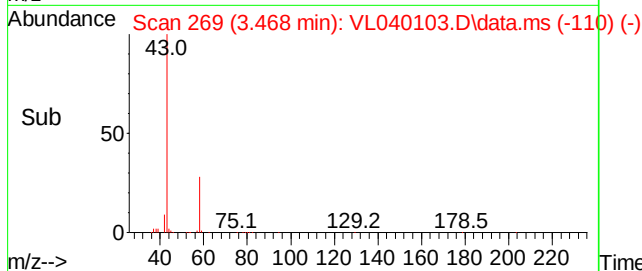
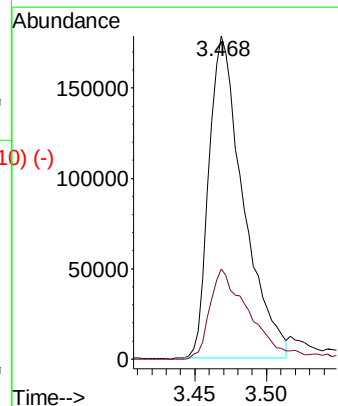
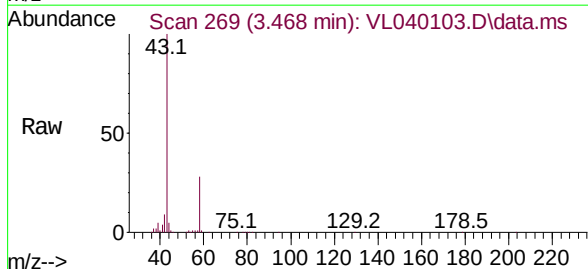


Abundance Scan 265 (3.456 min): VL040091.D\data.ms (-256) #15

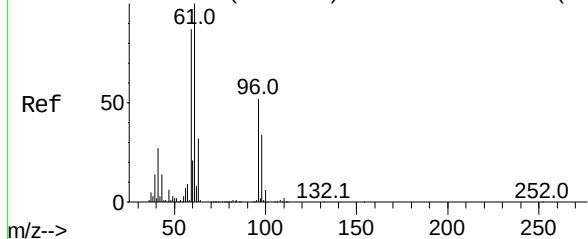


Acetone
Concen: 2.445 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 43 Resp: 295837
Ion Ratio Lower Upper
43 100
58 34.5 21.8 32.8#



Abundance Scan 394 (3.870 min): VL040091.D\data.ms (-383) #18



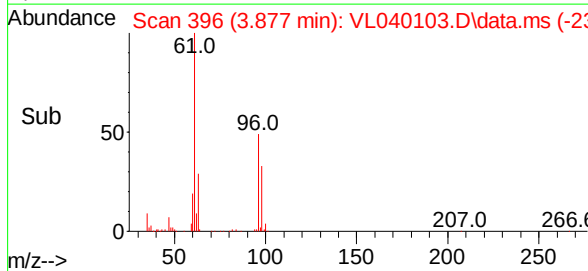
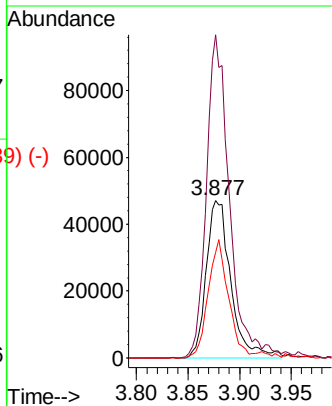
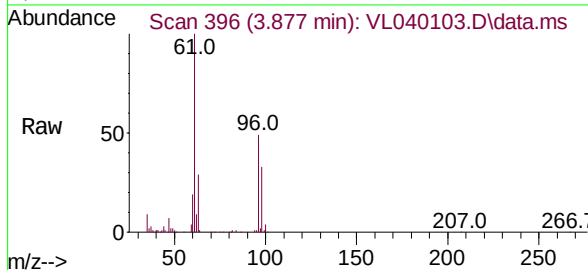
1,1-Dichloroethene
Concen: 1.353 ppbv m
RT: 3.877 min Scan# 413
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

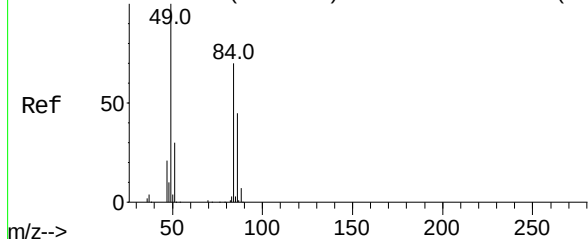
Tgt Ion: 96 Resp: 7800
Ion Ratio Lower Upper
96 100
61 205.0 153.0 229.4
98 66.8 52.7 79.1

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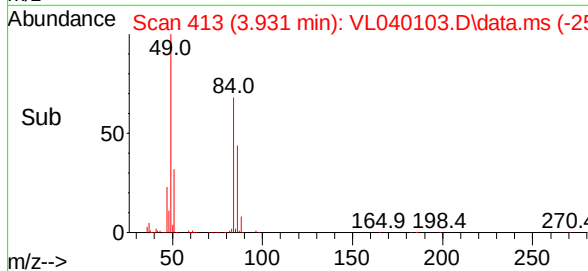
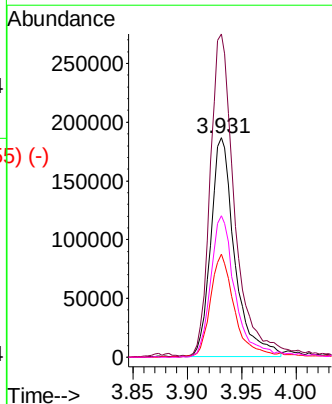
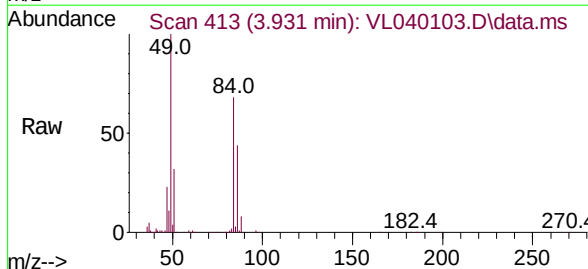


Abundance Scan 410 (3.922 min): VL040091.D\data.ms (-401) #20

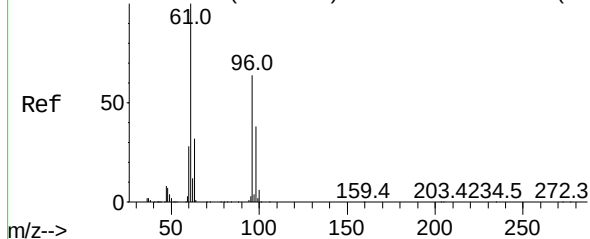


Methylene Chloride
Concen: 5.341 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 84 Resp: 285143
Ion Ratio Lower Upper
84 100
49 147.1 114.6 171.8
51 46.9 34.3 51.5
86 64.5 51.8 77.8



Abundance Scan 570 (4.436 min): VL040091.D\data.ms (-559) #22



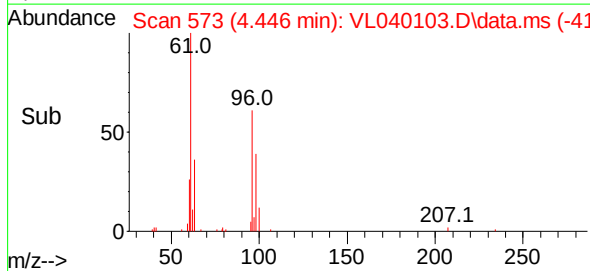
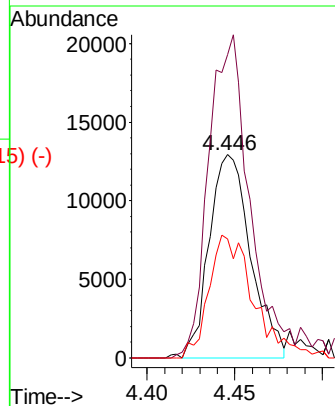
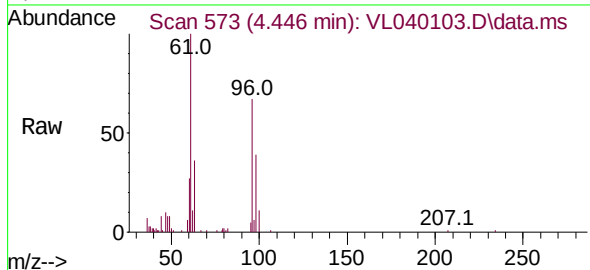
trans-1,2-Dichloroethene
Concen: 0.360 ppbv
RT: 4.446 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
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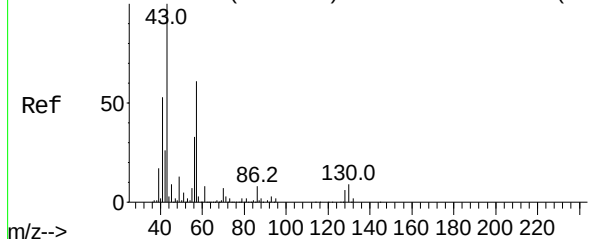
Tgt Ion: 96 Resp: 2120
Ion Ratio Lower Upper
96 100
61 146.4 125.8 188.8
98 58.5 47.4 71.2

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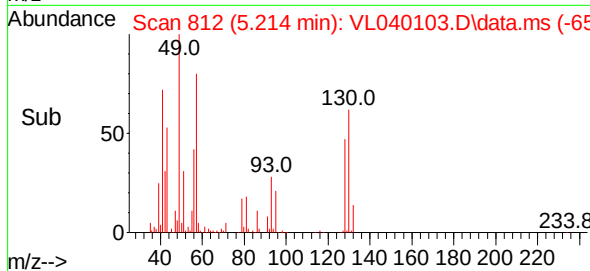
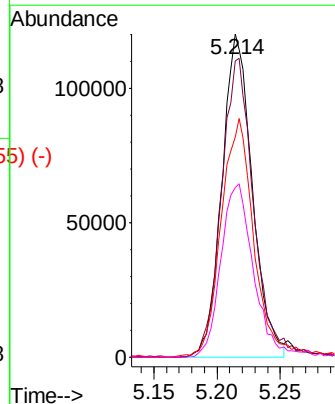
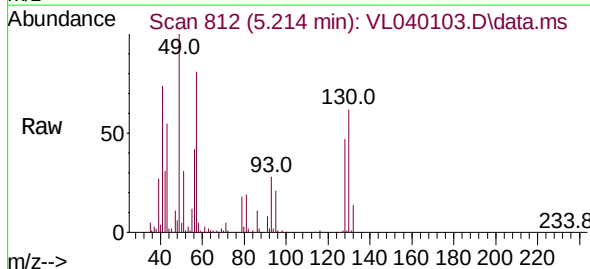


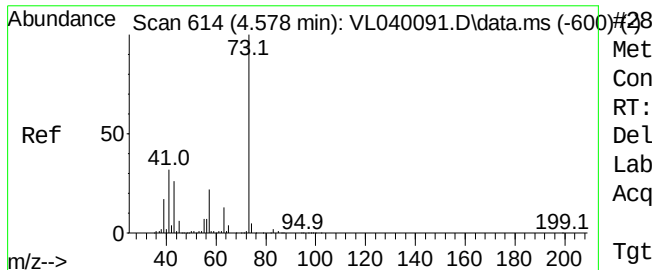
Abundance Scan 810 (5.208 min): VL040091.D\data.ms (-795) #26



Hexane
Concen: 2.156 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 57 Resp: 201167
Ion Ratio Lower Upper
57 100
41 98.9 72.2 108.4
43 80.9 192.1 288.1#
56 58.7 42.9 64.3





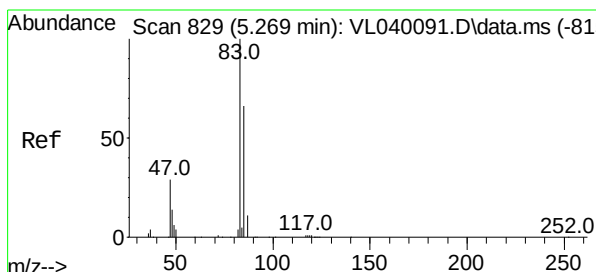
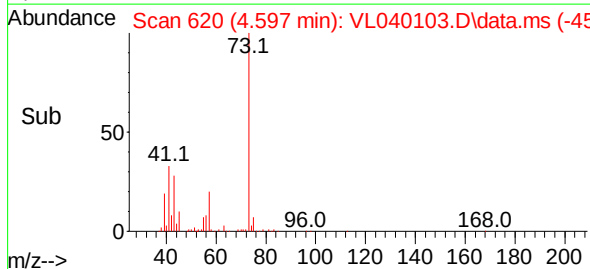
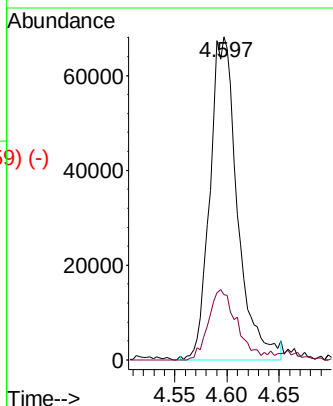
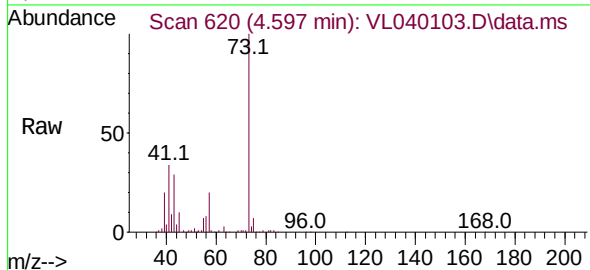
Methyl tert-Butyl Ether
 Concen: 1.188 ppbv m
 RT: 4.597 min Scan#
 Delta R.T. 0.019 min
 Lab File: VL040103.D
 Acq: 16 Jan 2023 18:28

Instrument :
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Tgt Ion: 73 Resp: 12468
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.3 27.5

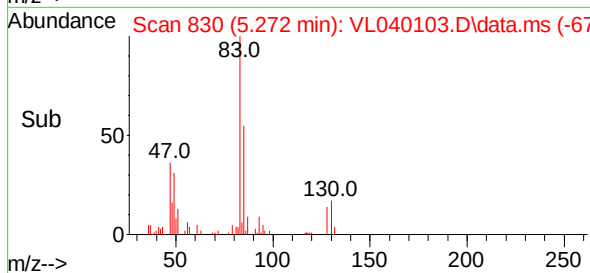
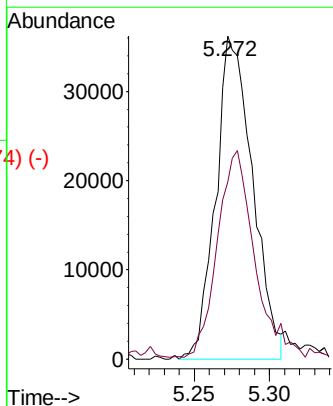
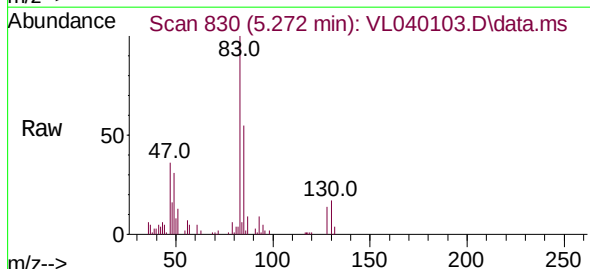
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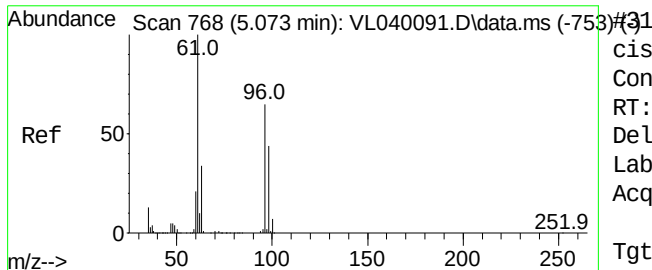
Reviewed By :Krupa Patel 01/25/2023
 Supervised By :Mahesh Dadoda 01/25/2023



Chloroform
 Concen: 0.412 ppbv
 RT: 5.272 min Scan# 830
 Delta R.T. 0.003 min
 Lab File: VL040103.D
 Acq: 16 Jan 2023 18:28

Tgt Ion: 83 Resp: 61463
 Ion Ratio Lower Upper
 83 100
 85 54.1 53.1 79.7





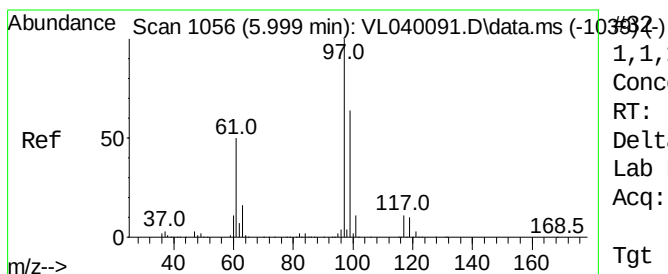
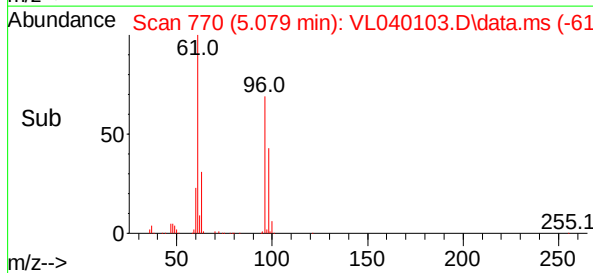
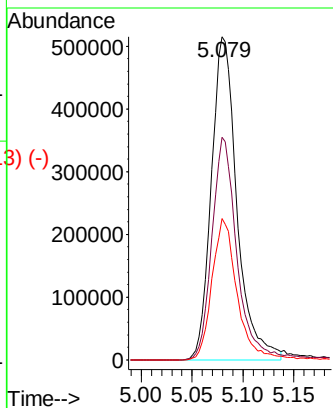
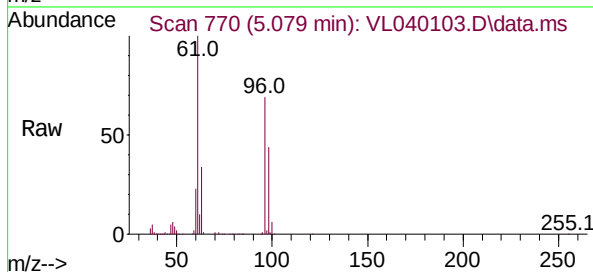
cis-1,2-Dichloroethene
Concen: 9.972 ppbv
RT: 5.079 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

Tgt Ion: 61 Resp: 90064
Ion Ratio Lower Upper
61 100
96 68.9 52.0 78.0
98 43.7 35.3 52.9

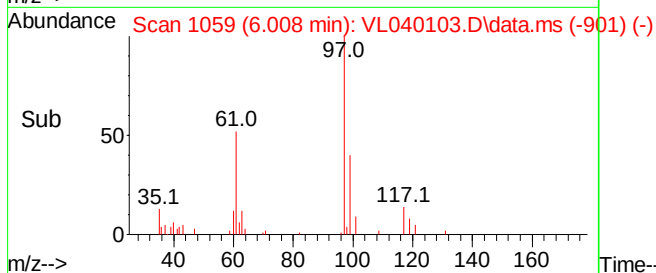
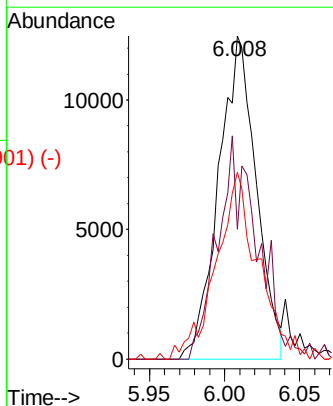
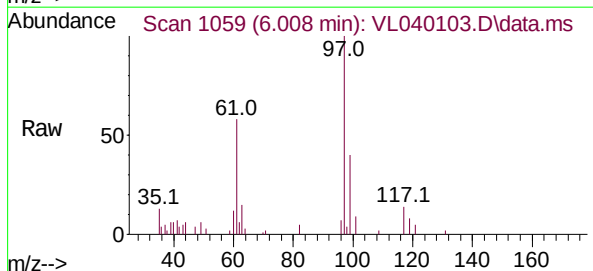
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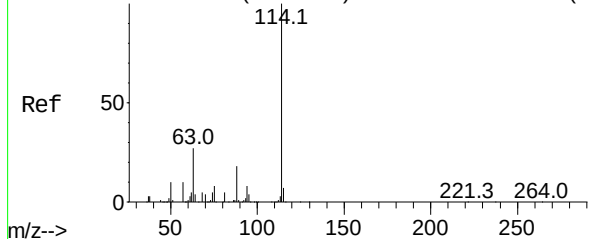


1,1,1-Trichloroethane
Concen: 0.143 ppbv
RT: 6.008 min Scan# 1059
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 97 Resp: 21675
Ion Ratio Lower Upper
97 100
99 74.3 51.8 77.6
61 65.2 40.4 60.6#



Abundance Scan 1259 (6.652 min): VL040091.D\data.ms (-1243)



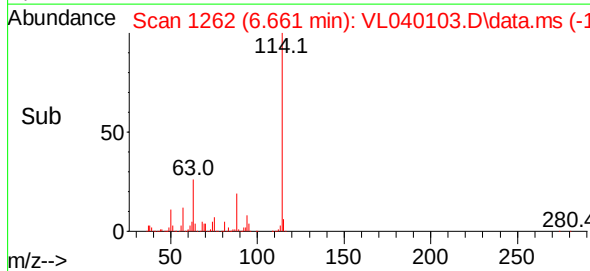
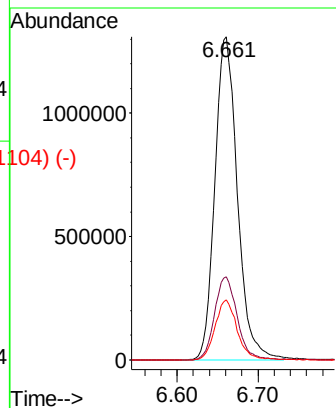
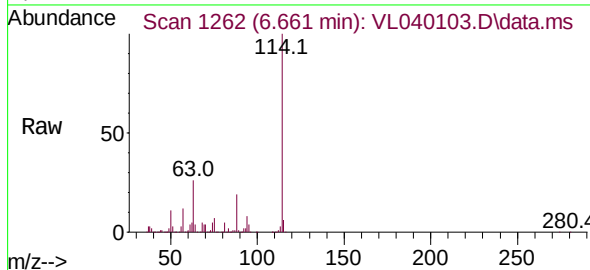
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1259
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

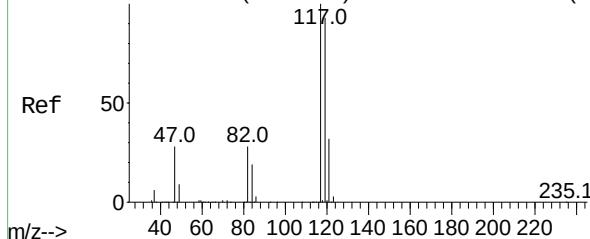
Tgt Ion:	114	Resp:	251319
Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.8	32.8
88	18.3	14.8	22.2

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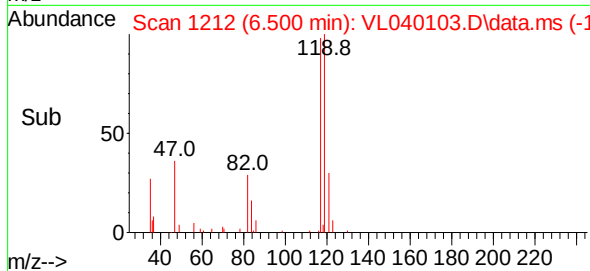
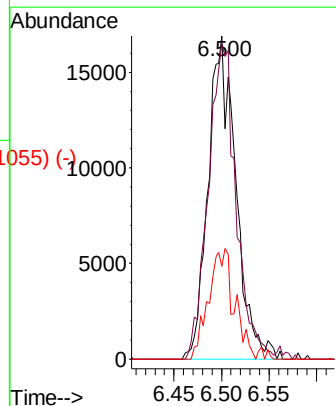
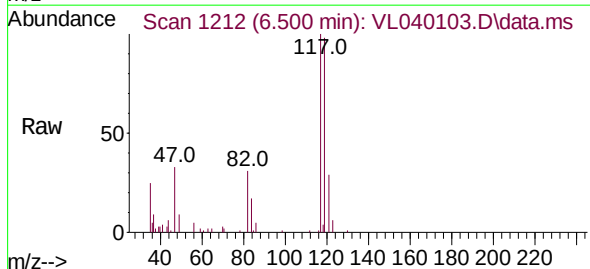


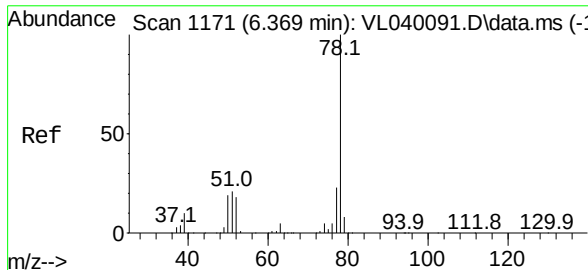
Abundance Scan 1210 (6.494 min): VL040091.D\data.ms (-1193)



Carbon Tetrachloride
Concen: 0.242 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion:	117	Resp:	34352
Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.5	111.7
121	28.7	25.4	38.0





Benzene
Concen: 0.245 ppbv
RT: 6.378 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

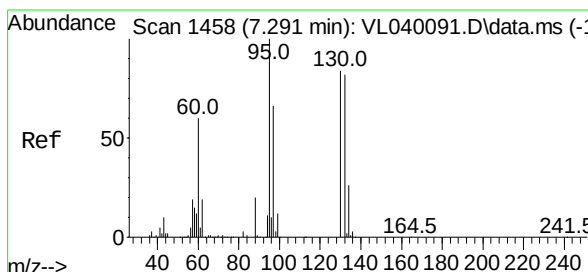
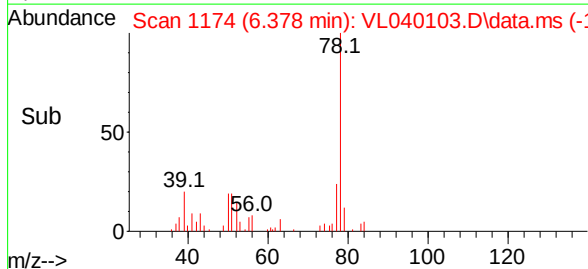
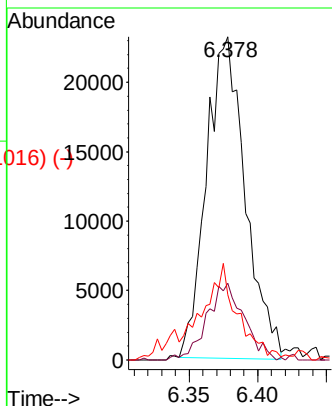
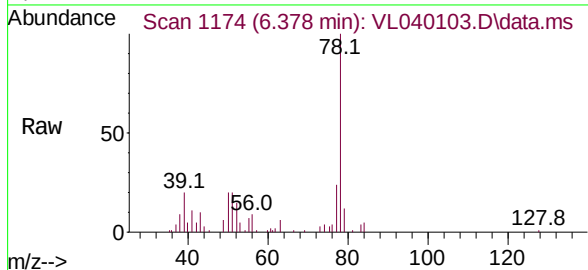
Instrument :
MSVOA_L
Client Sample Id :
BH1N3DUP

Tgt Ion: 78 Resp: 4548

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.3
50	16.9	15.6	23.4

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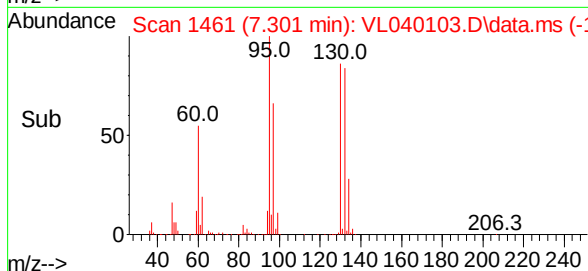
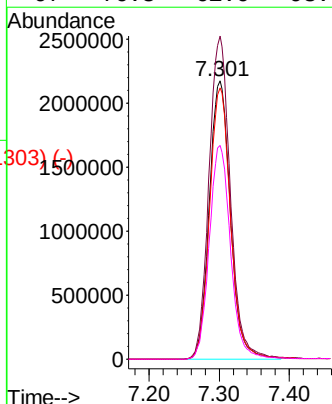
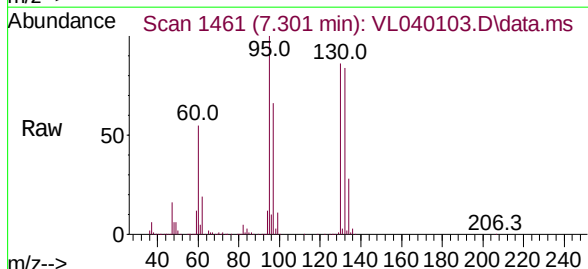
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Supervised By :Mahesh Dadoda 01/25/2023

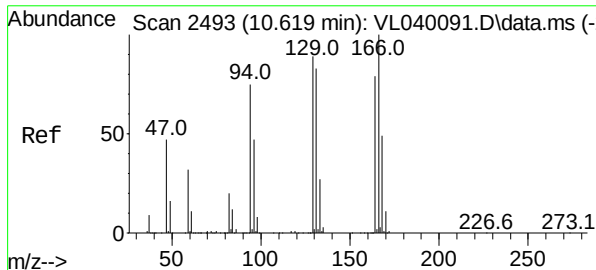


Trichloroethene
Concen: 43.157 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.010 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion:130 Resp: 4555426

Ion	Ratio	Lower	Upper
130	100		
95	116.1	95.0	142.6
132	97.5	77.9	116.9
97	76.8	62.6	93.8





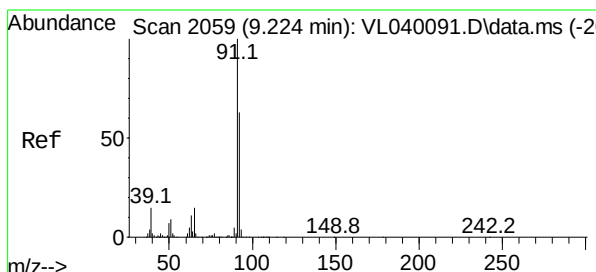
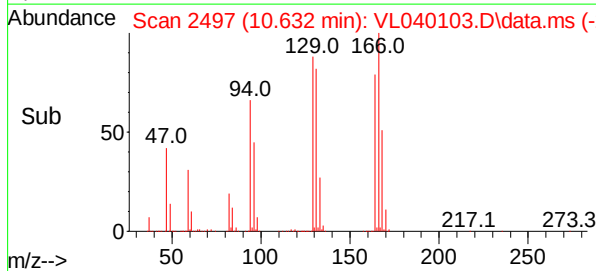
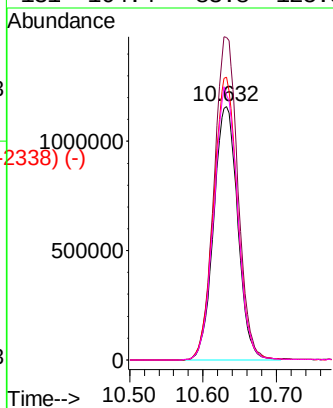
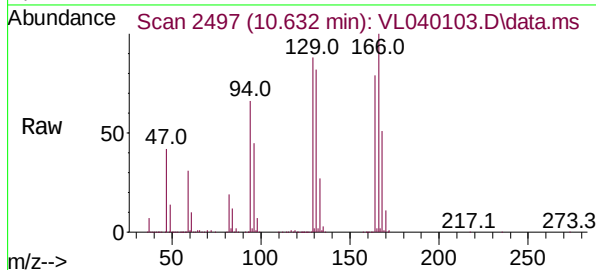
Tetrachloroethene
Concen: 43.372 ppbv
RT: 10.632 min Scan# 2493
Delta R.T. 0.013 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_L
ClientSampleId :
BH1N3DUP

Tgt Ion:164 Resp: 263883
Ion Ratio Lower Upper
164 100
166 127.2 101.2 151.8
129 111.6 90.2 135.2
131 104.4 83.8 125.8

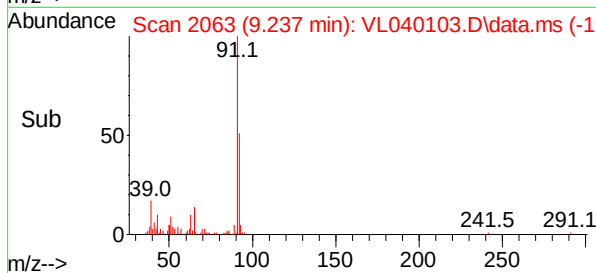
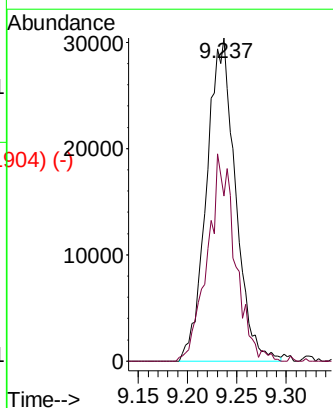
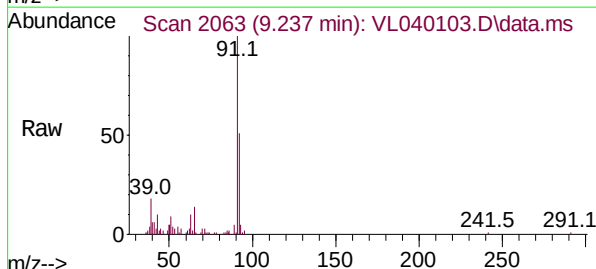
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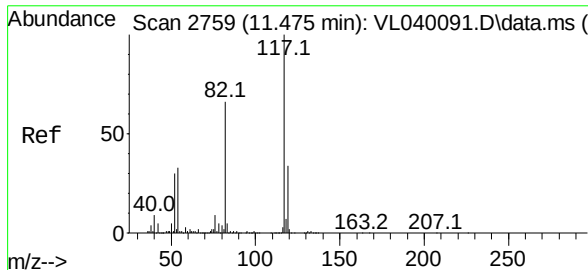
Reviewed By :Krupa Patel 01/25/2023
Supervised By :Mahesh Dadoda 01/25/2023



Toluene
Concen: 0.313 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.013 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 91 Resp: 62096
Ion Ratio Lower Upper
91 100
92 61.6 48.3 72.5





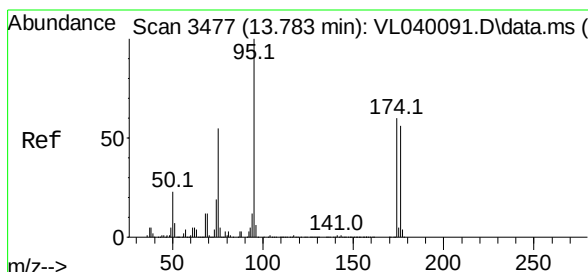
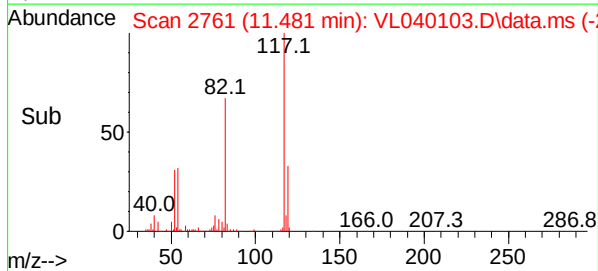
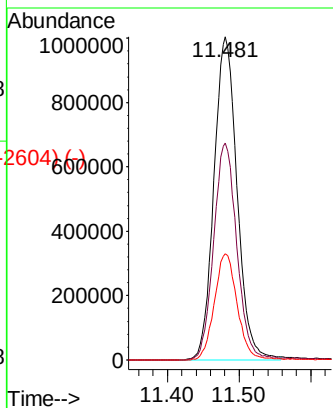
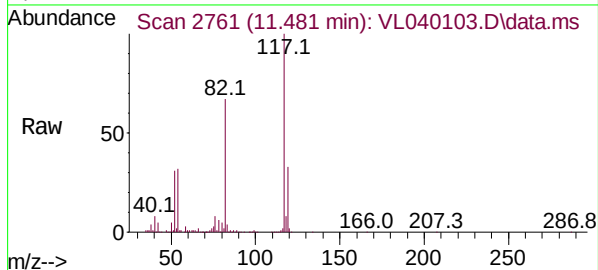
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Instrument :
MSVOA_1
ClientSampleId :
BH1N3DUP

Tgt Ion:117 Resp: 225000
Ion Ratio Lower Upper
117 100
82 68.4 54.4 81.6
119 32.7 26.8 40.2

Manual Integrations
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Reviewed By :Krupa Patel 01/25/2023
Supervised By :Mahesh Dadoda 01/25/2023



1-Bromo-4-Fluorobenzene
Concen: 9.651 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040103.D
Acq: 16 Jan 2023 18:28

Tgt Ion: 95 Resp: 1804697
Ion Ratio Lower Upper
95 100
174 58.9 47.7 71.5
175 4.3 3.4 5.2

