

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040271.D
 Acq On : 13 Mar 2023 19:07
 Operator : SY/MD
 Sample : 01897-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOF

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 04:55:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	854300	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2090246	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1786866	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1426025	9.705	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	71900	0.452	ppbv	94
3) Chlorodifluoromethane	2.665	51	41385m	0.406	ppbv	
4) Chloromethane	2.803	50	26579	0.415	ppbv #	81
9) Propene	2.694	41	27142m	0.652	ppbv	
11) Trichlorofluoromethane	3.559	101	32683	0.229	ppbv	90
13) Ethanol	3.231	45	160524	41.916	ppbv	94
15) Acetone	3.465	43	362768	3.527	ppbv	94
19) Isopropyl Alcohol	3.587	45	36362m	0.744	ppbv	
20) Methylene Chloride	3.931	84	584026	10.908	ppbv	98
26) Hexane	5.214	57	303976	3.703	ppbv #	37
34) 2-Butanone	4.800	43	27006m	0.262	ppbv	
35) Carbon Tetrachloride	6.497	117	8626m	0.070	ppbv	
36) Benzene	6.378	78	21505	0.132	ppbv	94
53) Toluene	9.234	91	168008	0.964	ppbv	99
59) m/p-Xylene	12.356	91	21600m	0.112	ppbv	

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

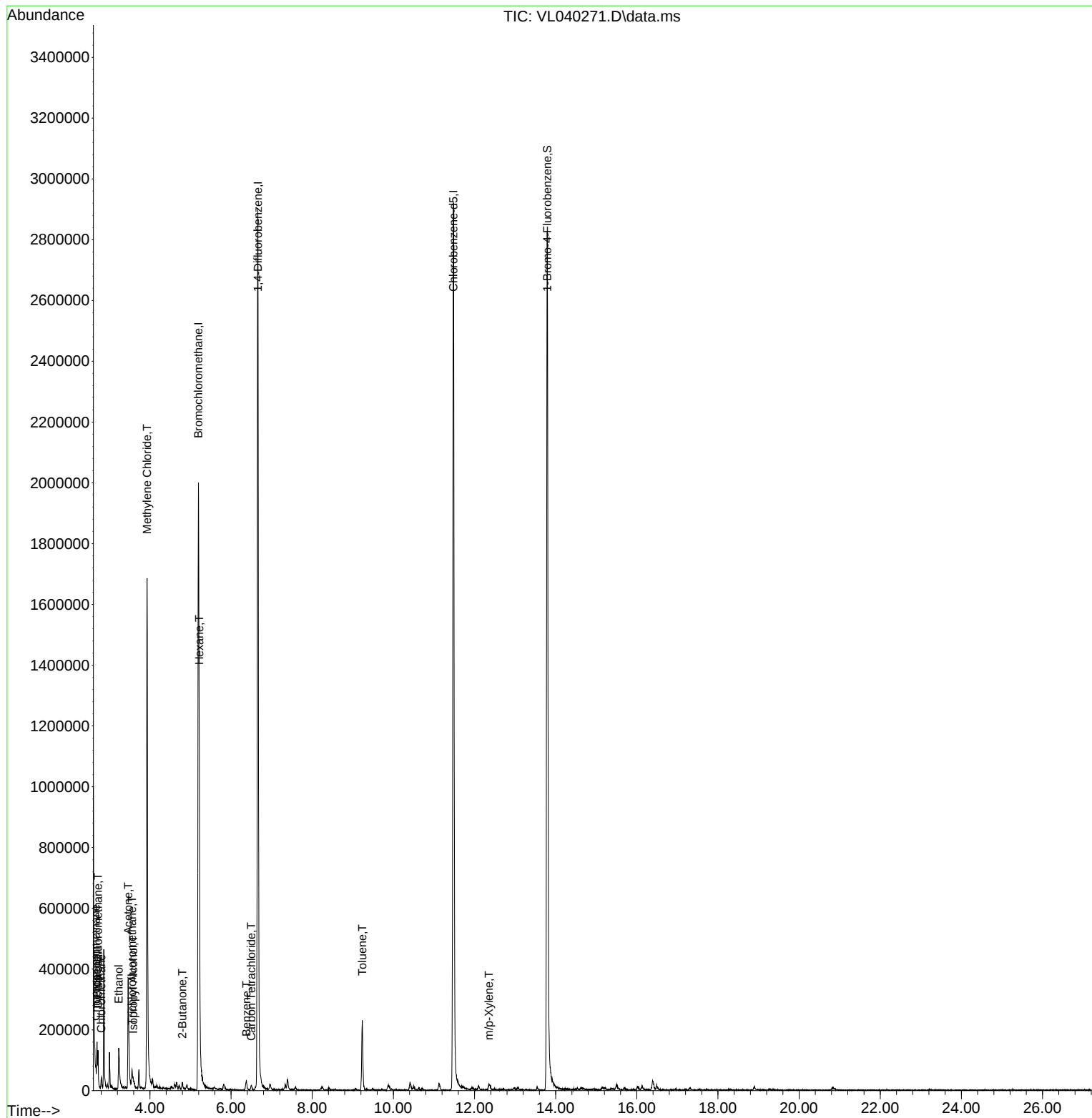
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
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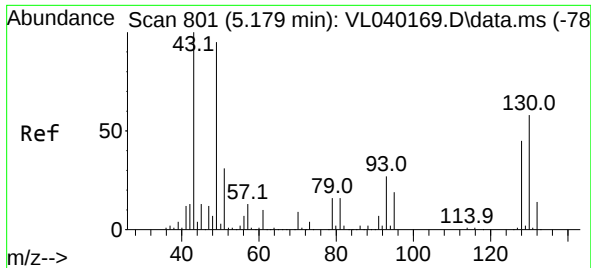
Instrument :
MSVOA_L
ClientSampleId :
ROOF

Quant Time: Mar 14 04:55:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration

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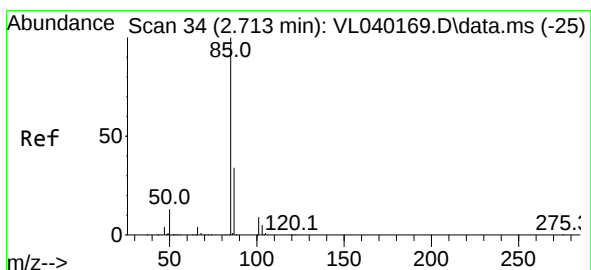
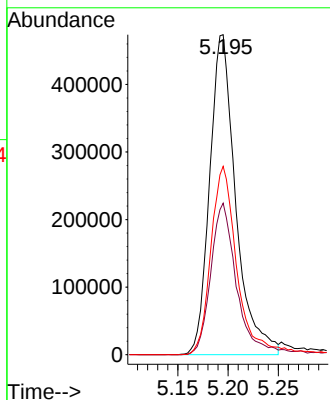
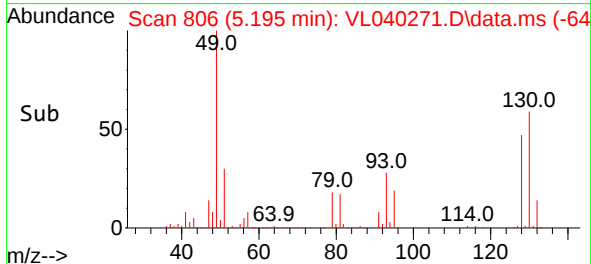
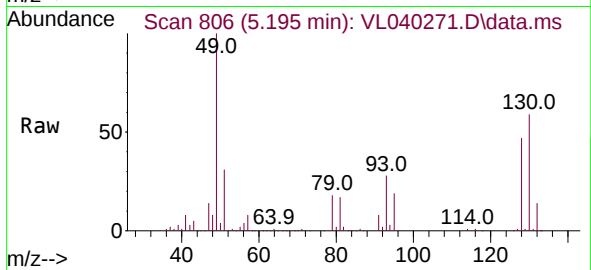
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

Instrument :
MSVOA_L
ClientSampleId :
ROOF

Tgt Ion: 49 Resp: 854300
Ion Ratio Lower Upper
49 100
128 48.4 24.1 72.3
130 60.8 30.9 92.8

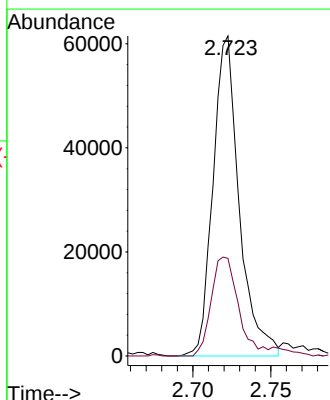
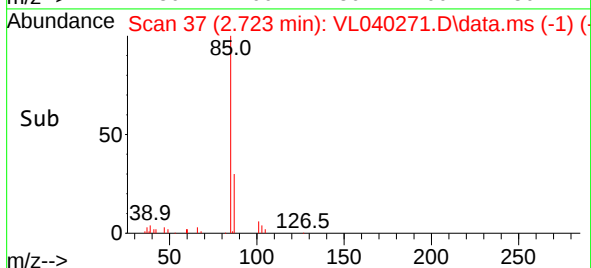
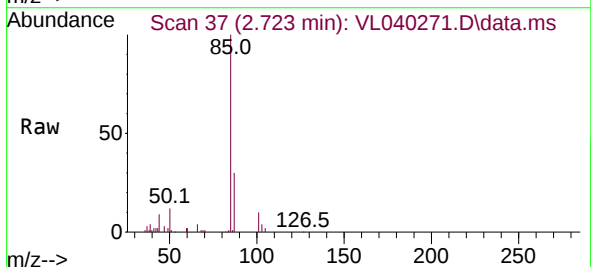
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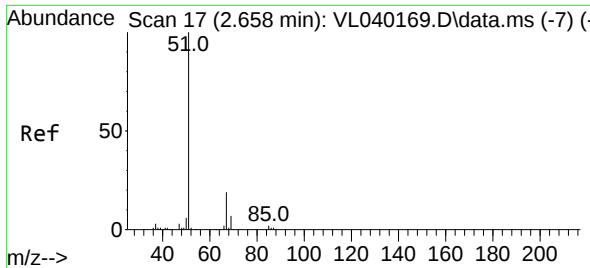
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#2
Dichlorodifluoromethane
Concen: 0.452 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.010 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 85 Resp: 71900
Ion Ratio Lower Upper
85 100
87 30.5 27.0 40.6





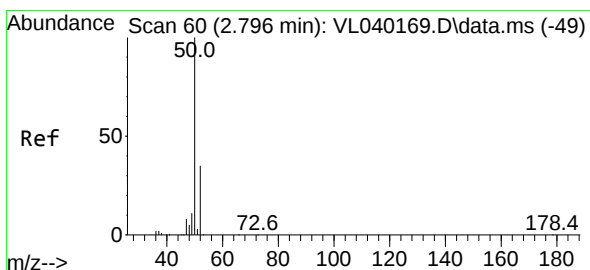
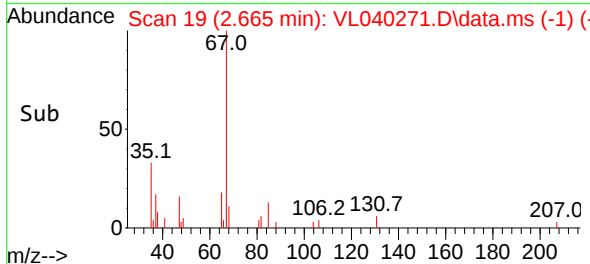
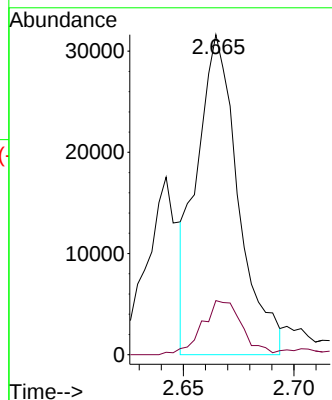
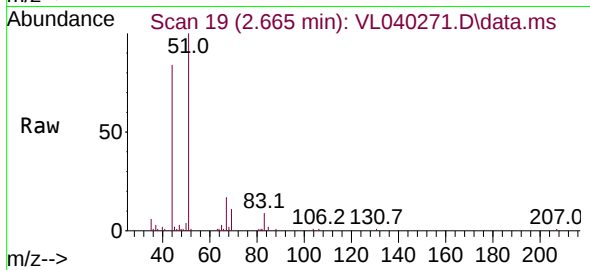
#3
Chlorodifluoromethane
Concen: 0.406 ppbv m
RT: 2.665 min Scan# 19
Delta R.T. 0.007 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

Instrument :
MSVOA_L
ClientSampleId :
ROOF

Tgt Ion: 51 Resp: 4138
Ion Ratio Lower Upper
51 100
67 17.7 15.4 23.2

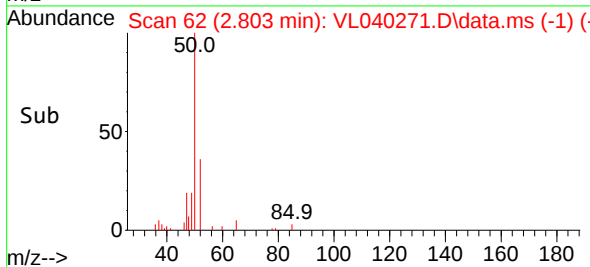
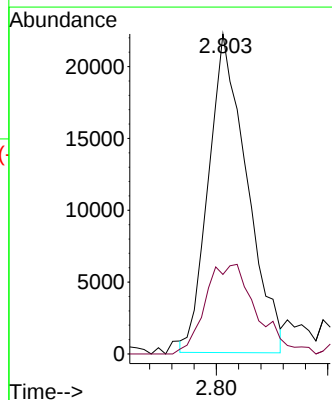
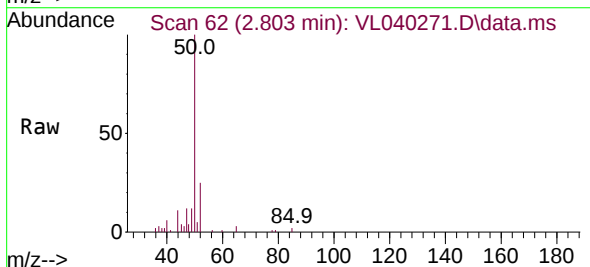
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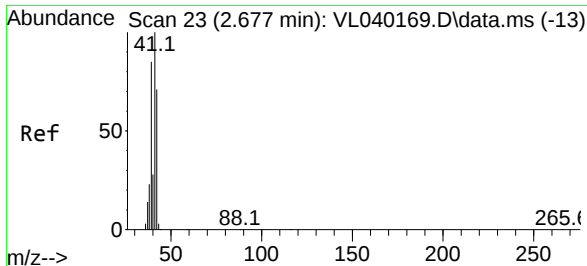
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#4
Chloromethane
Concen: 0.415 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

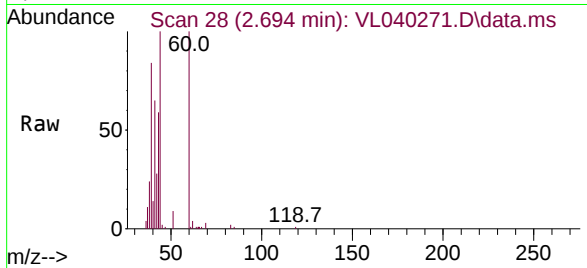
Tgt Ion: 50 Resp: 26579
Ion Ratio Lower Upper
50 100
52 24.3 28.3 42.5#





#9
Propene
Concen: 0.652 ppbv m
RT: 2.694 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

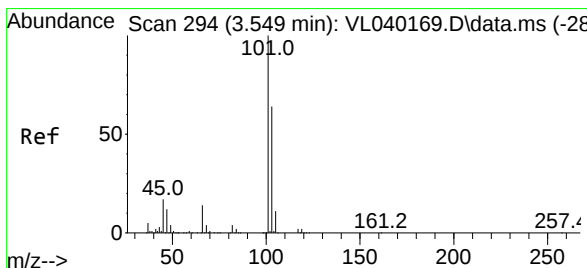
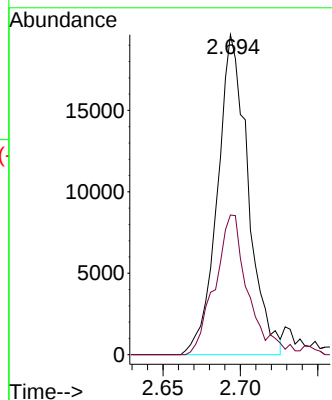
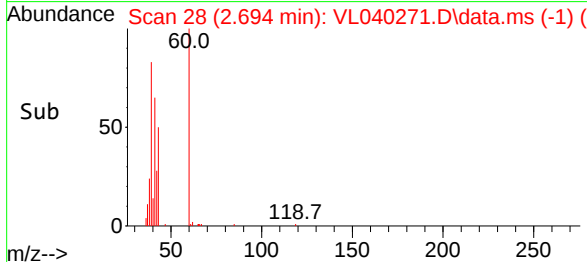
Instrument :
MSVOA_L
ClientSampleId :
ROOF



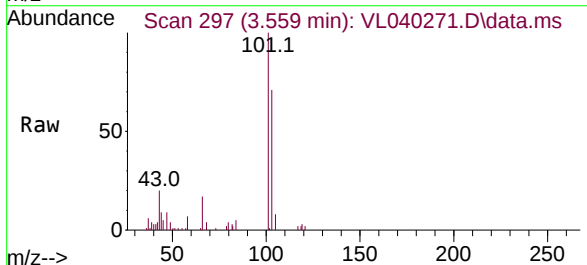
Tgt Ion: 41 Resp: 2714
Ion Ratio Lower Upper
41 100
42 296.1 56.9 85.3

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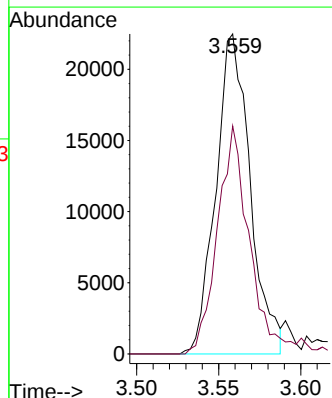
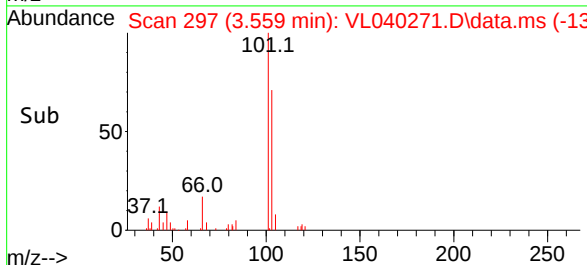
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

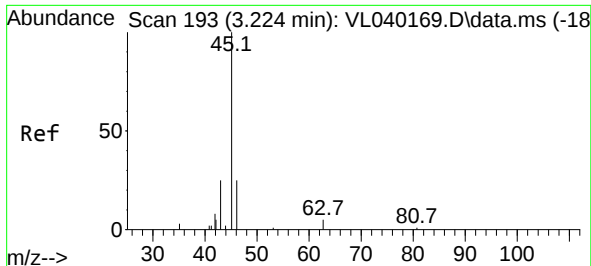


#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.559 min Scan# 297
Delta R.T. 0.007 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07



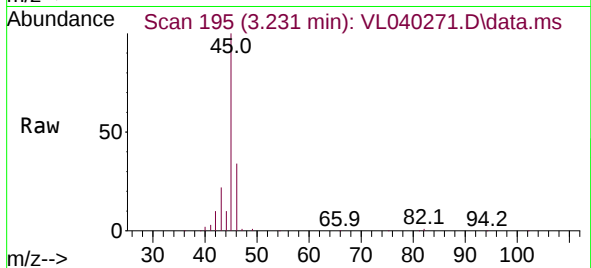
Tgt Ion:101 Resp: 32683
Ion Ratio Lower Upper
101 100
103 71.3 51.0 76.6





#13
Ethanol
Concen: 41.916 ppbv
RT: 3.231 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

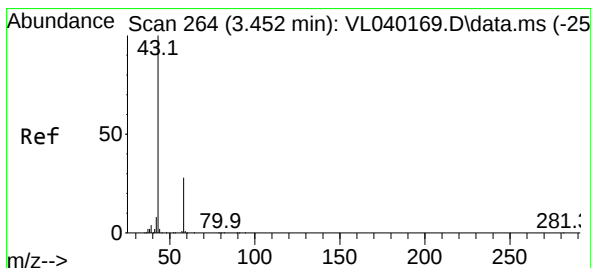
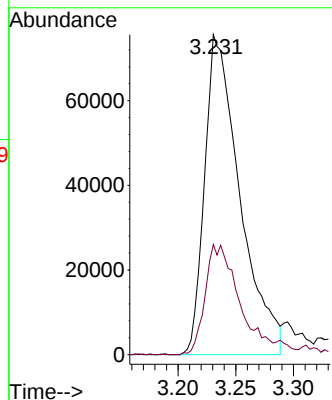
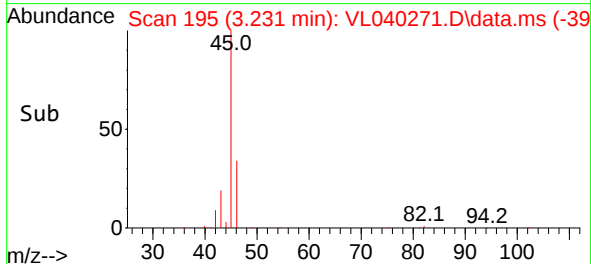
Instrument :
MSVOA_L
ClientSampleId :
ROOF



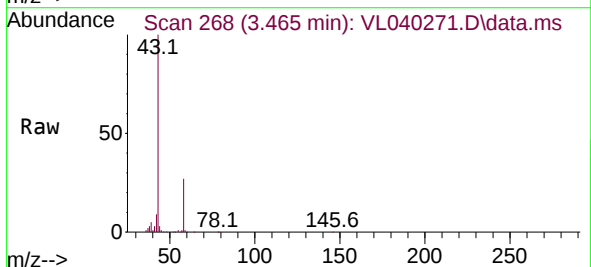
Tgt Ion: 45 Resp: 160524
Ion Ratio Lower Upper
45 100
46 36.5 13.3 53.1

Manual Integrations
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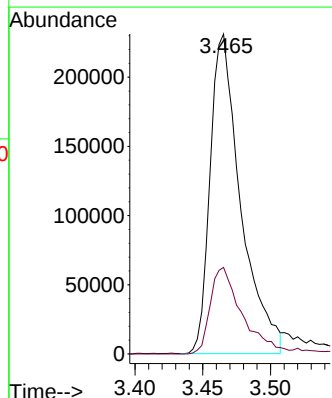
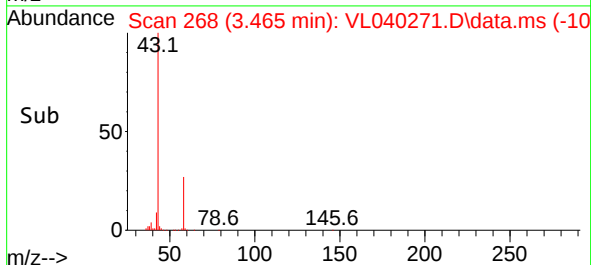
Reviewed By :Semsettin Yesilyurt 03/14/2023
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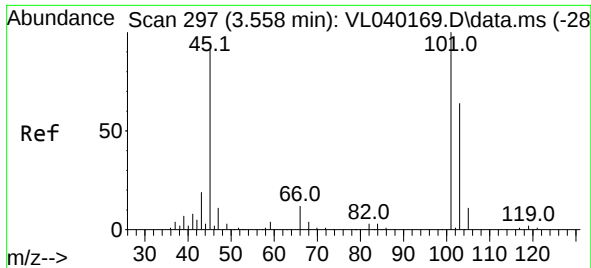


#15
Acetone
Concen: 3.527 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07



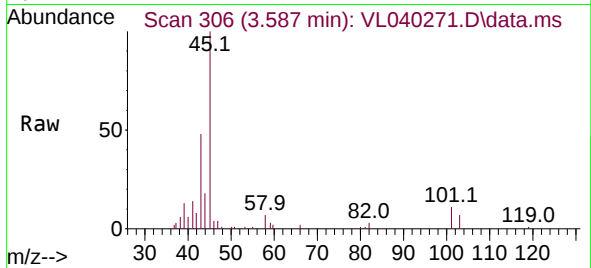
Tgt Ion: 43 Resp: 362768
Ion Ratio Lower Upper
43 100
58 31.1 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.744 ppbv m
RT: 3.587 min Scan# 306
Delta R.T. 0.026 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

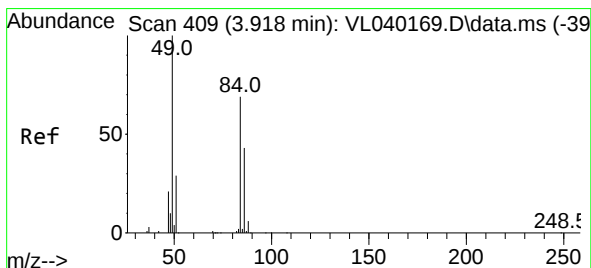
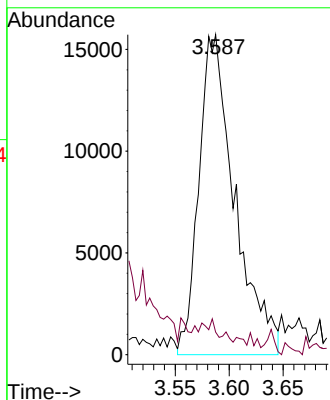
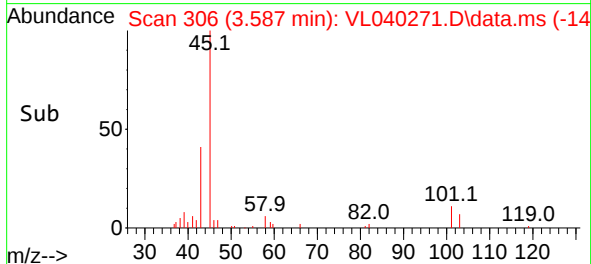
Instrument :
MSVOA_L
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ROOF



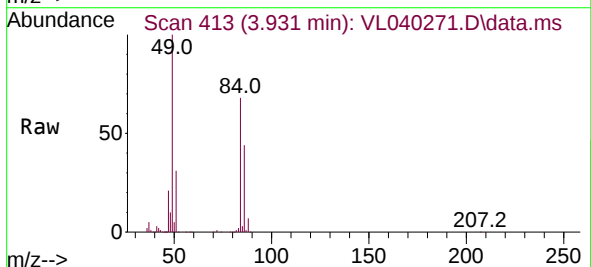
Tgt Ion: 45 Resp: 36362
Ion Ratio Lower Upper
45 100
58 310.4 2.6 3.8

Manual Integrations
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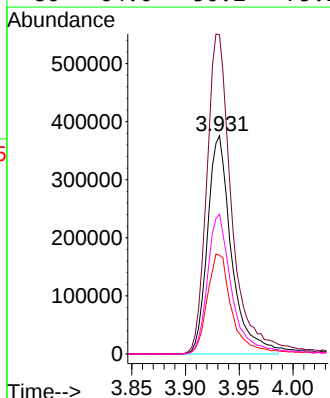
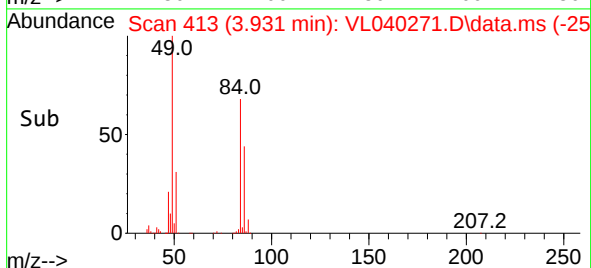
Reviewed By :Semsettin Yesilyurt 03/14/2023
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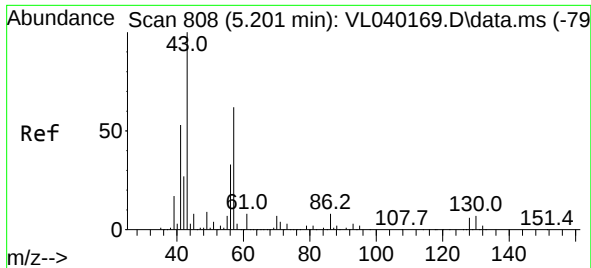


#20
Methylene Chloride
Concen: 10.908 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07



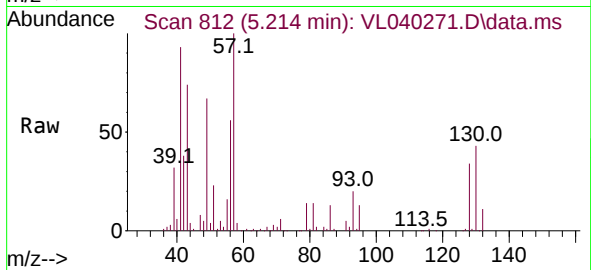
Tgt Ion: 84 Resp: 584026
Ion Ratio Lower Upper
84 100
49 146.2 115.5 173.3
51 45.1 33.1 49.7
86 64.0 50.2 75.2





#26
Hexane
Concen: 3.703 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.007 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

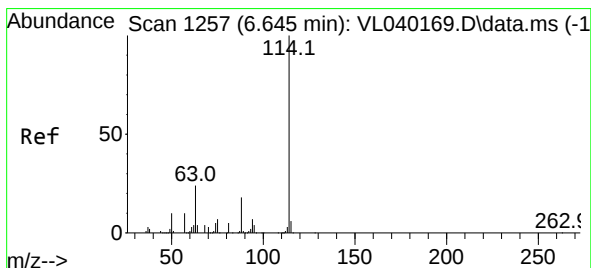
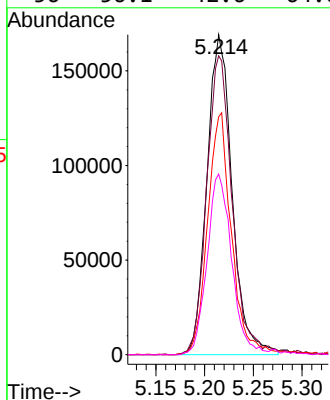
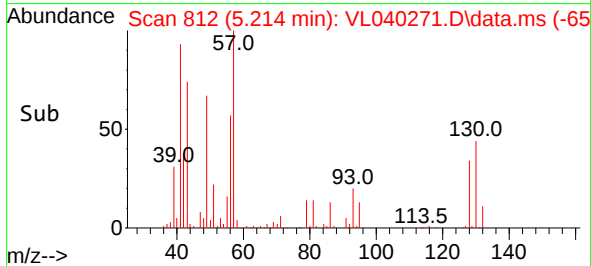
Instrument :
MSVOA_L
ClientSampleId :
ROOF



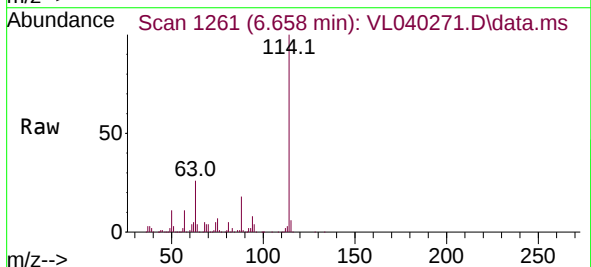
Tgt Ion: 57 Resp: 303970
Ion Ratio Lower Upper
57 100
41 95.6 74.3 111.5
43 73.0 193.0 289.4
56 56.1 42.6 64.0

Manual Integrations
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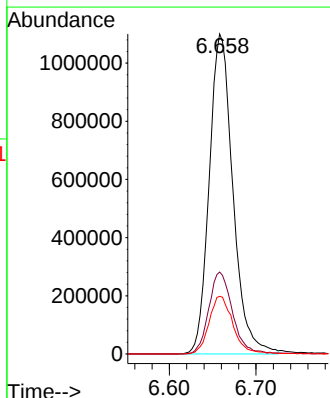
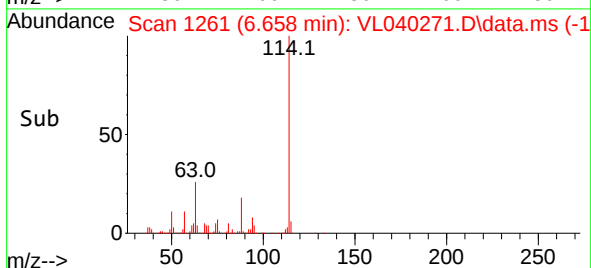
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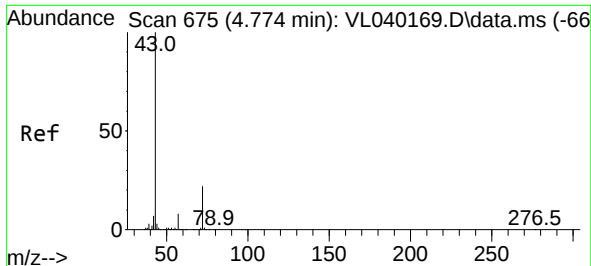


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07



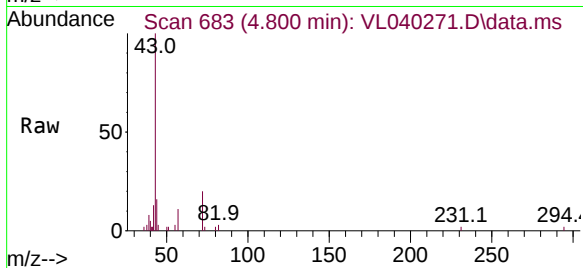
Tgt Ion:114 Resp: 2090246
Ion Ratio Lower Upper
114 100
63 26.0 20.4 30.6
88 18.3 14.3 21.5





#34
2-Butanone
Concen: 0.262 ppbv m
RT: 4.800 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

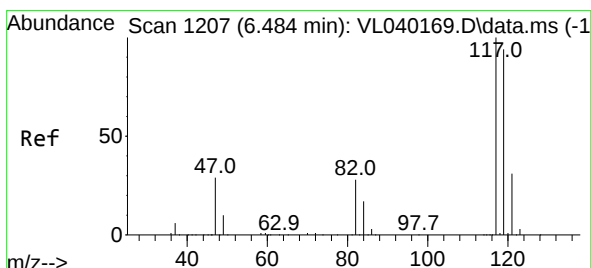
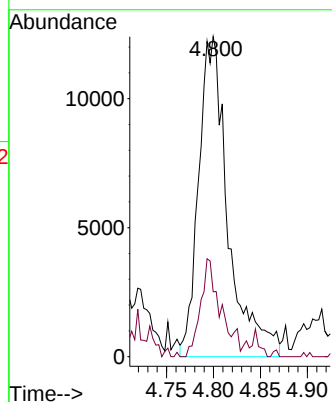
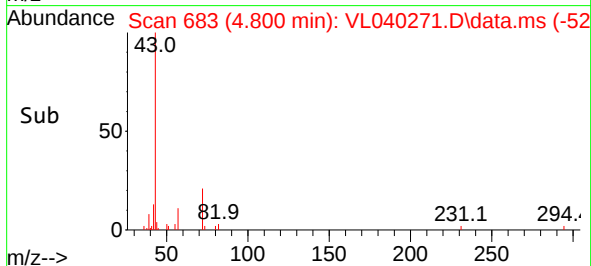
Instrument :
MSVOA_L
ClientSampleId :
ROOF



Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
72 24.1 17.8 26.8

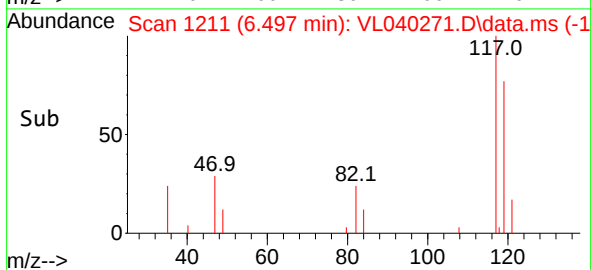
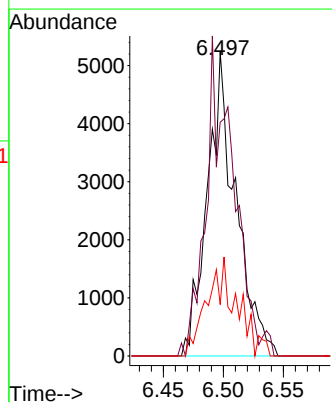
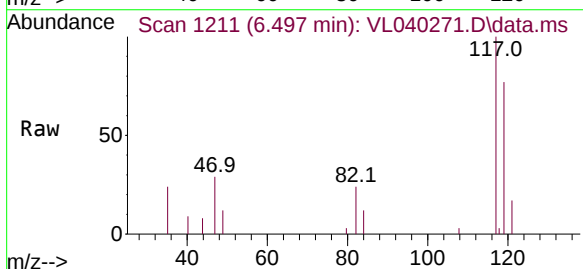
Manual Integrations
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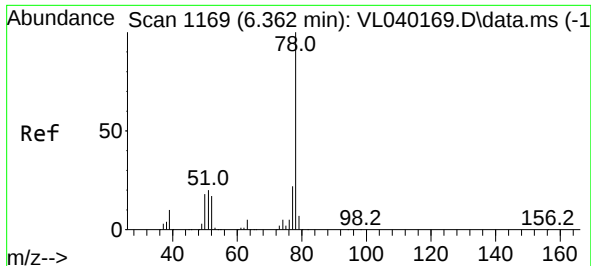
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. 0.007 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

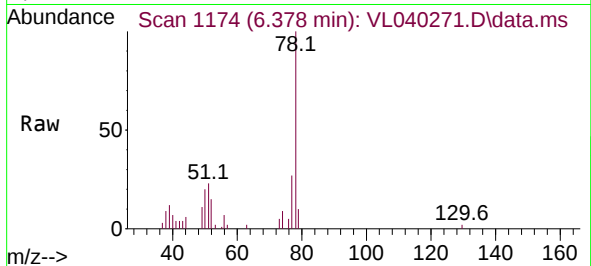
Tgt Ion:117 Resp: 8626
Ion Ratio Lower Upper
117 100
119 76.9 75.0 112.6
121 16.9 25.0 37.4#





#36
Benzene
Concen: 0.132 ppbv
RT: 6.378 min Scan# 1169
Delta R.T. 0.010 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

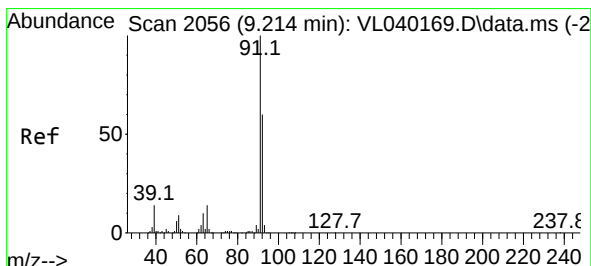
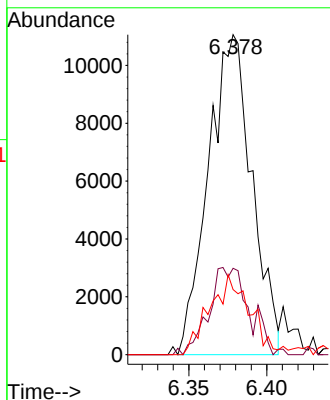
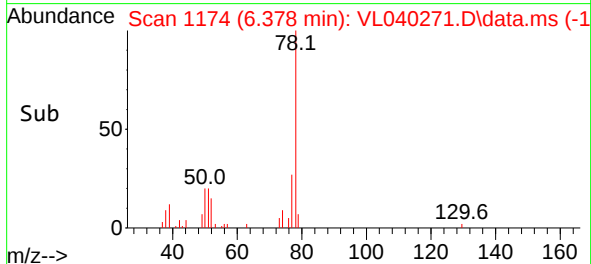
Instrument :
MSVOA_L
ClientSampleId :
ROOF



Tgt Ion: 78 Resp: 21508
Ion Ratio Lower Upper
78 100
77 25.3 17.5 26.3
50 20.4 14.6 22.0

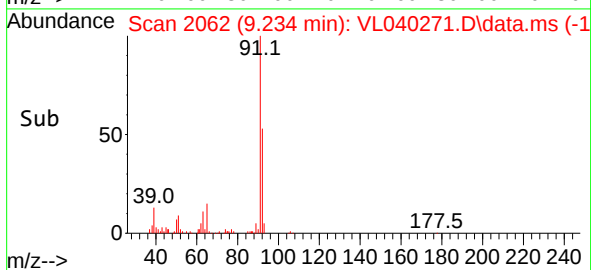
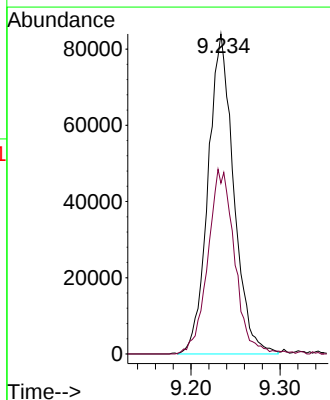
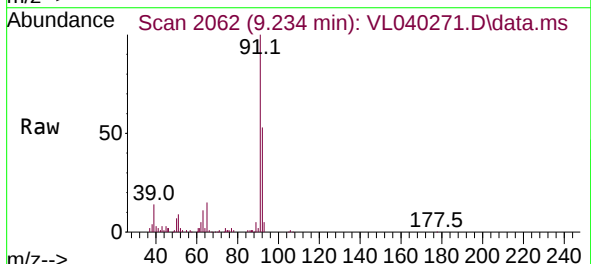
Manual Integrations
APPROVED

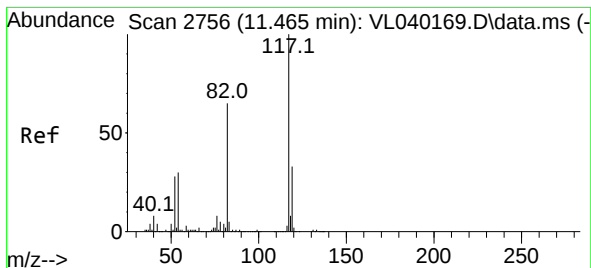
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#53
Toluene
Concen: 0.964 ppbv
RT: 9.234 min Scan# 2062
Delta R.T. 0.010 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

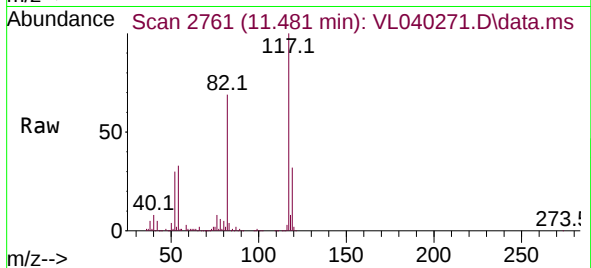
Tgt Ion: 91 Resp: 168008
Ion Ratio Lower Upper
91 100
92 60.5 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

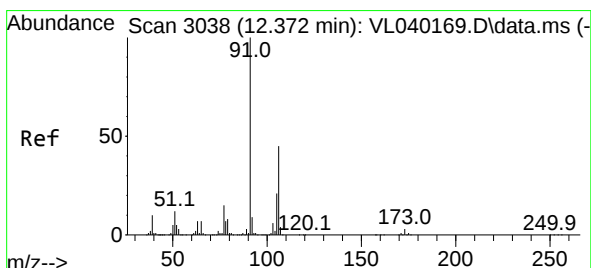
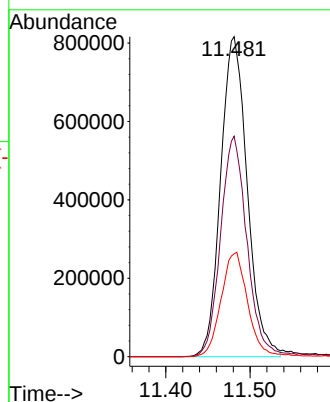
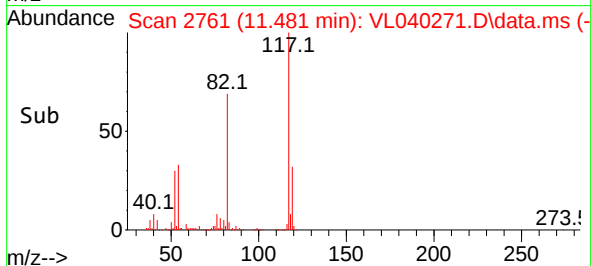
Instrument :
MSVOA_L
ClientSampleId :
ROOF



Tgt Ion:117 Resp: 178686
Ion Ratio Lower Upper
117 100
82 69.5 53.3 79.9
119 33.1 24.6 37.0

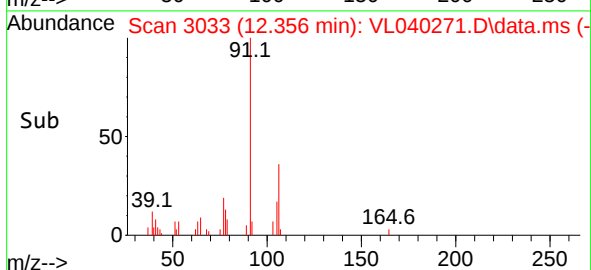
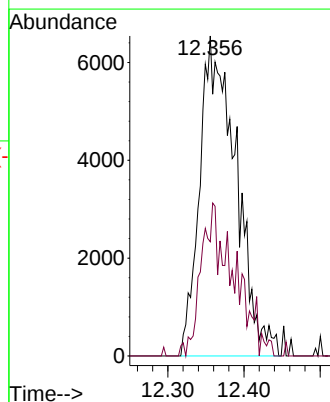
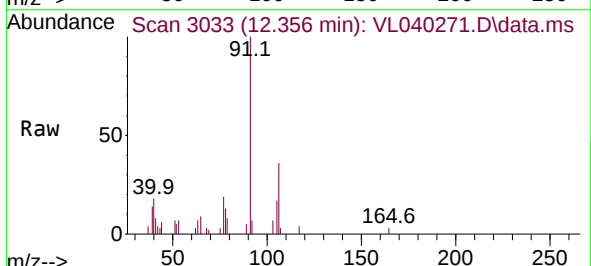
Manual Integrations
APPROVED

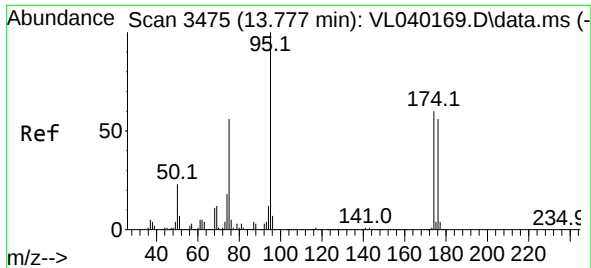
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#59
m/p-Xylene
Concen: 0.112 ppbv m
RT: 12.356 min Scan# 3033
Delta R.T. -0.026 min
Lab File: VL040271.D
Acq: 13 Mar 2023 19:07

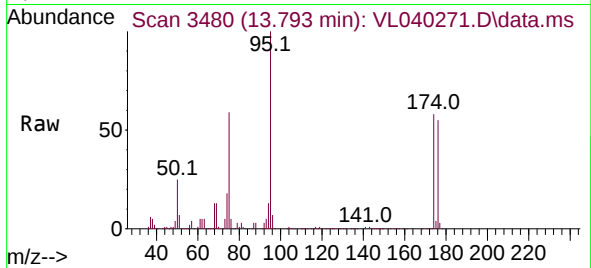
Tgt Ion: 91 Resp: 21600
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.705 ppbv
 RT: 13.793 min Scan# 3475
 Delta R.T. 0.010 min
 Lab File: VL040271.D
 Acq: 13 Mar 2023 19:07

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOF



Tgt Ion: 95 Resp: 1426025
 Ion Ratio Lower Upper
 95 100
 174 58.2 48.2 72.2
 175 4.2 3.4 5.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

