

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040274.D
 Acq On : 13 Mar 2023 21:08
 Operator : SY/MD
 Sample : 01899-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Mar 14 04:56:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

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	5.198	49	879468	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2146067	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1827481	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1453737	9.674	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	79480	0.485	ppbv	89
3) Chlorodifluoromethane	2.671	51	42116m	0.401	ppbv	
4) Chloromethane	2.806	50	28849	0.437	ppbv	99
9) Propene	2.700	41	43956m	1.026	ppbv	
11) Trichlorofluoromethane	3.562	101	35309m	0.240	ppbv	
13) Ethanol	3.240	45	97413m	24.708	ppbv	
15) Acetone	3.468	43	429539	4.057	ppbv	99
19) Isopropyl Alcohol	3.591	45	37081	0.737	ppbv #	1
20) Methylene Chloride	3.935	84	823590	14.942	ppbv	96
26) Hexane	5.221	57	449892	5.324	ppbv #	37
34) 2-Butanone	4.806	43	16487m	0.156	ppbv	
35) Carbon Tetrachloride	6.500	117	8554m	0.067	ppbv	
36) Benzene	6.378	78	56242	0.337	ppbv	95
53) Toluene	9.233	91	63900	0.357	ppbv	99
59) m/p-Xylene	12.352	91	26961m	0.137	ppbv	

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

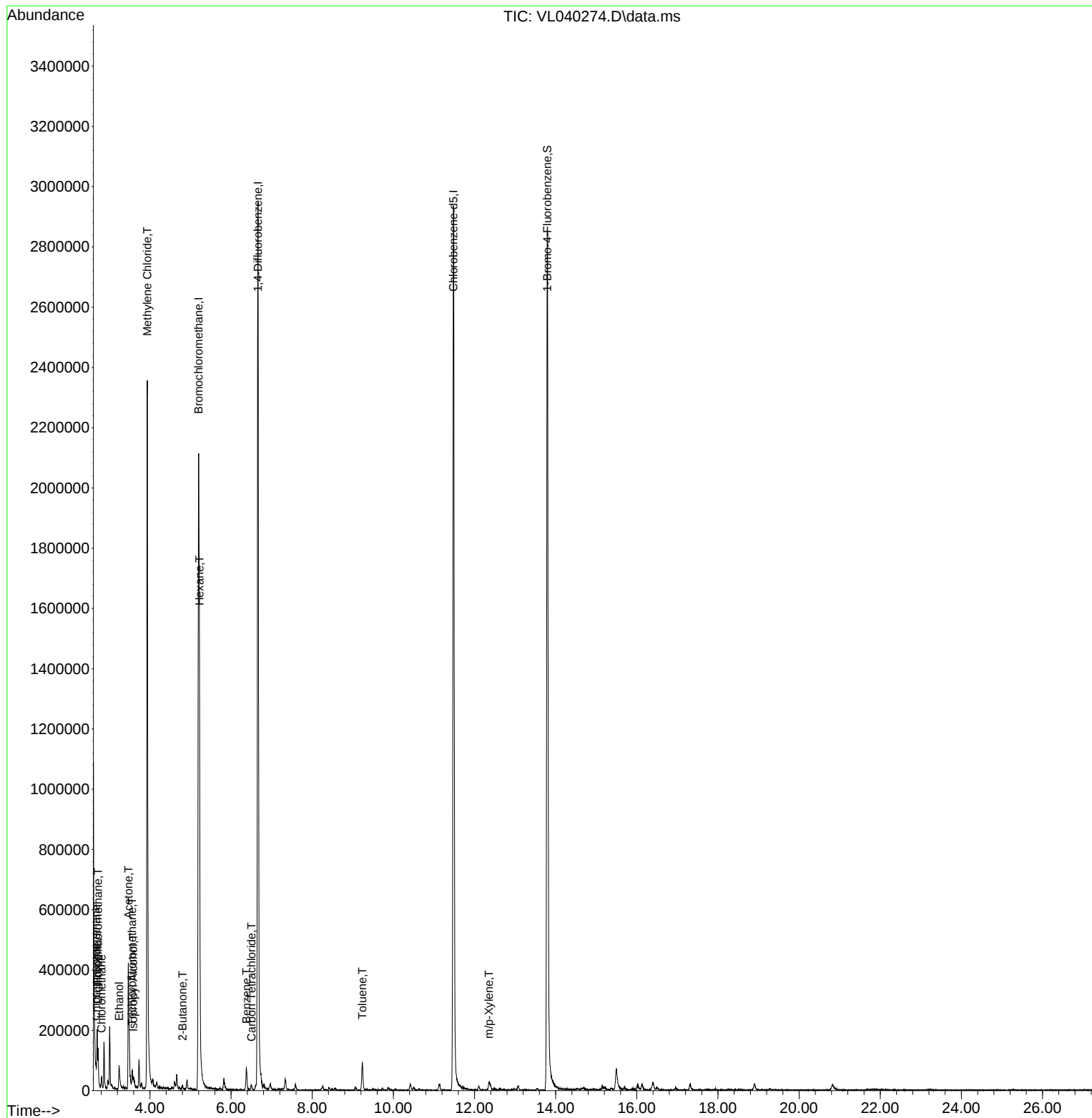
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
Data File : VL040274.D
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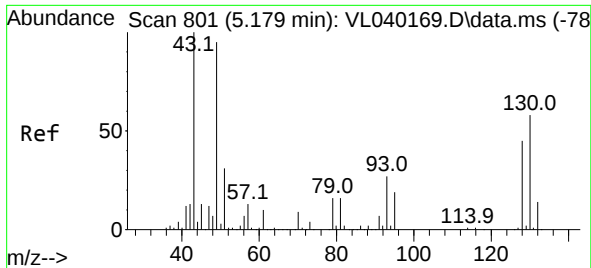
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 14 04:56:59 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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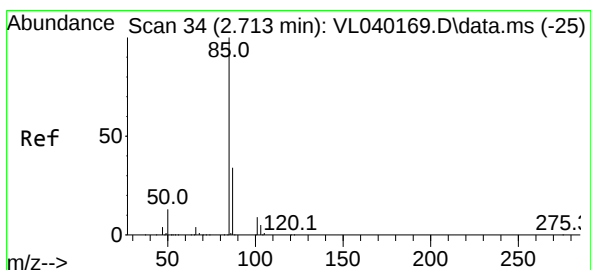
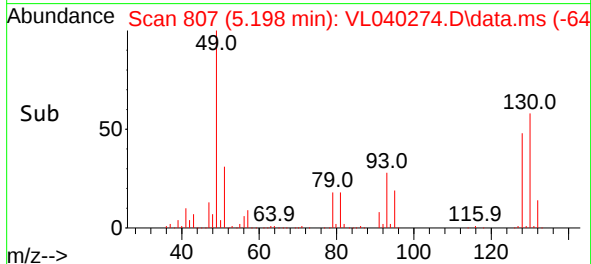
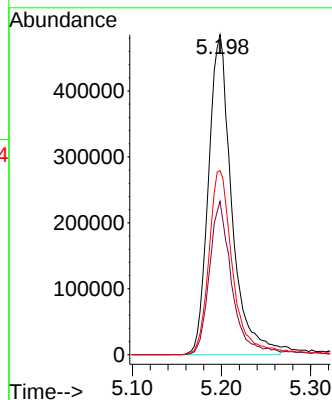
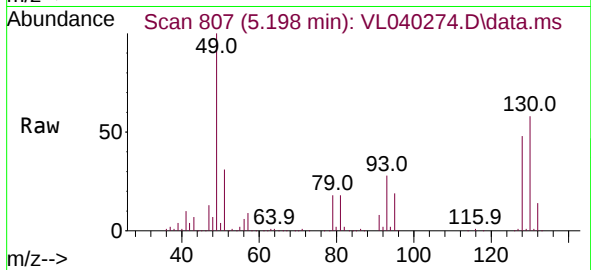
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 879468
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.3
130 60.6 30.9 92.8

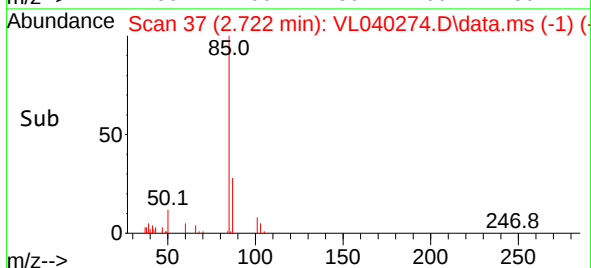
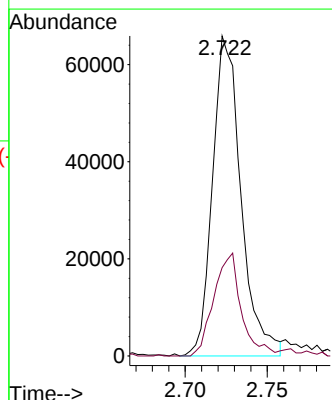
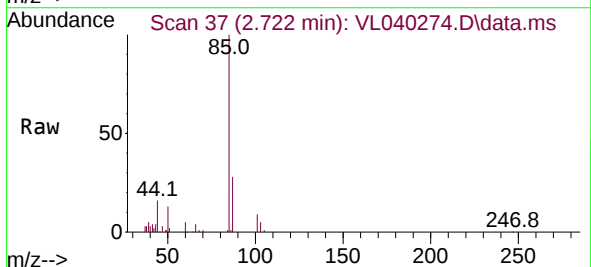
Manual Integrations
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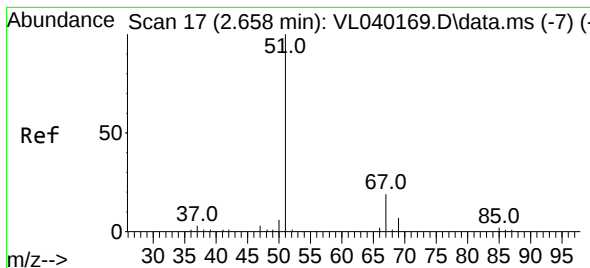
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#2
Dichlorodifluoromethane
Concen: 0.485 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.010 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Tgt Ion: 85 Resp: 79480
Ion Ratio Lower Upper
85 100
87 27.6 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.401 ppbv m

RT: 2.671 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040274.D

Acq: 13 Mar 2023 21:08

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 51 Resp: 42110

Ion Ratio Lower Upper

51 100

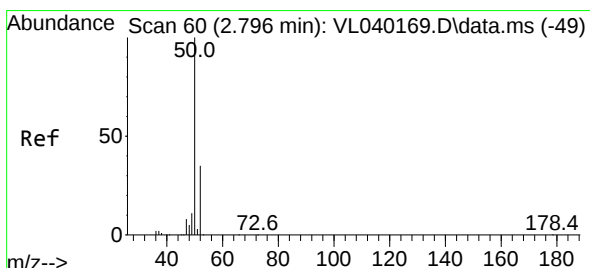
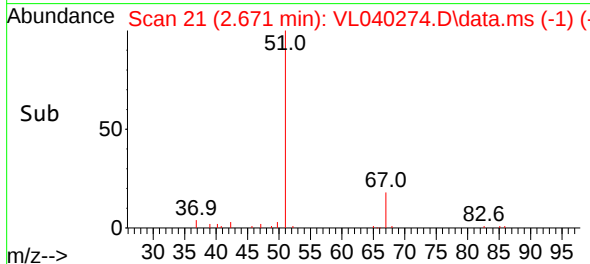
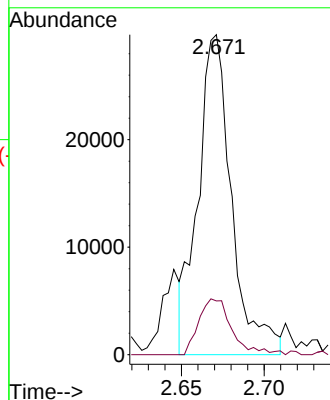
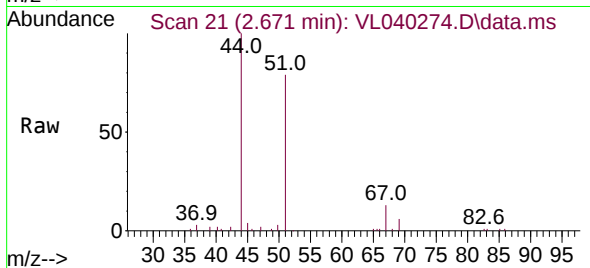
67 17.4 15.4 23.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/14/2023

Supervised By :Mahesh Dadoda 03/15/2023



#4

Chloromethane

Concen: 0.437 ppbv

RT: 2.806 min Scan# 63

Delta R.T. 0.006 min

Lab File: VL040274.D

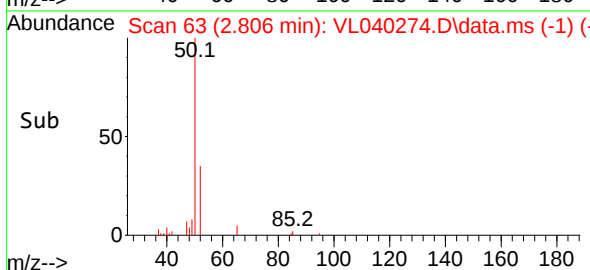
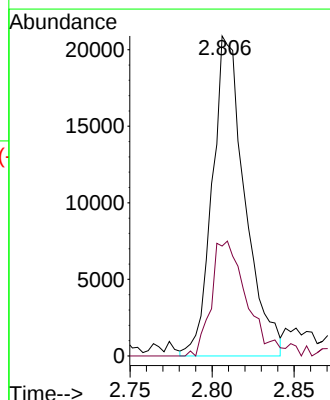
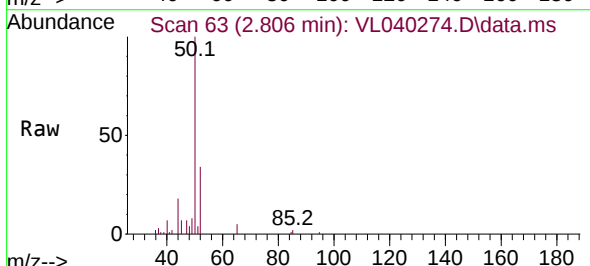
Acq: 13 Mar 2023 21:08

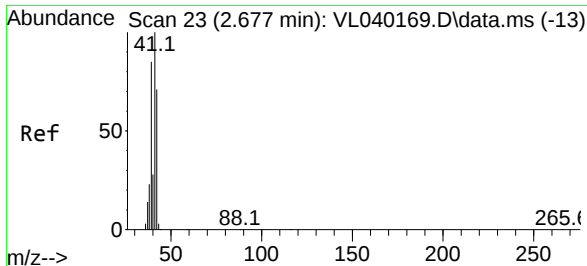
Tgt Ion: 50 Resp: 28849

Ion Ratio Lower Upper

50 100

52 34.9 28.3 42.5





#9

Propene

Concen: 1.026 ppbv m

RT: 2.700 min Scan# 30

Delta R.T. 0.023 min

Lab File: VL040274.D

Acq: 13 Mar 2023 21:08

Instrument :

MSVOA_L

ClientSampleId :

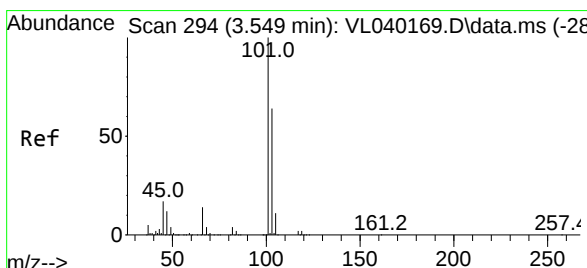
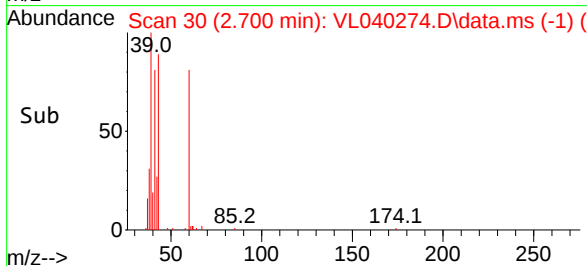
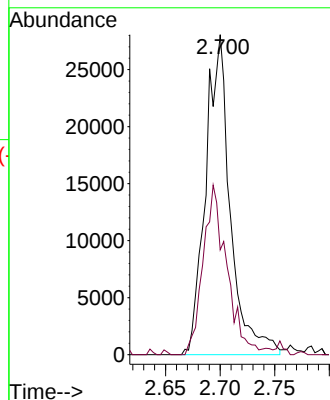
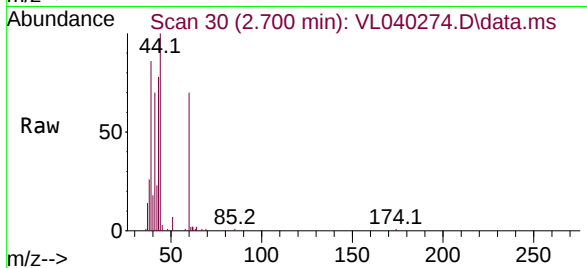
OA1

Tgt Ion: 41 Resp: 43950
 Ion Ratio Lower Upper
 41 100
 42 59.8 56.9 85.3

Manual Integrations

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



#11

Trichlorofluoromethane

Concen: 0.240 ppbv m

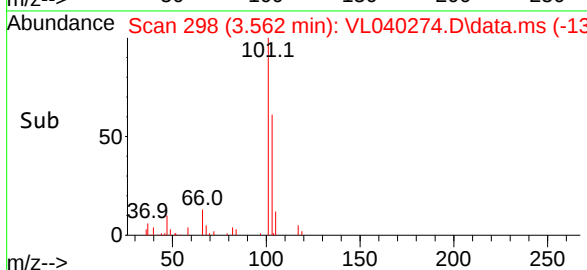
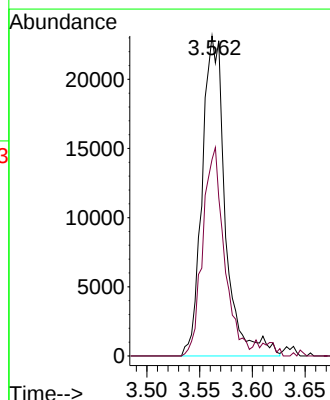
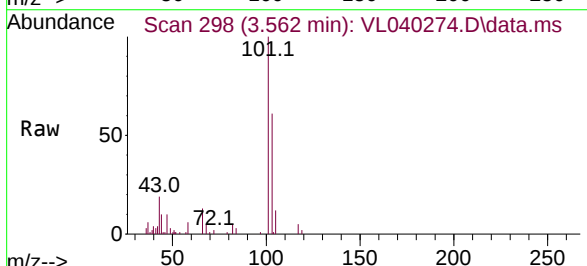
RT: 3.562 min Scan# 298

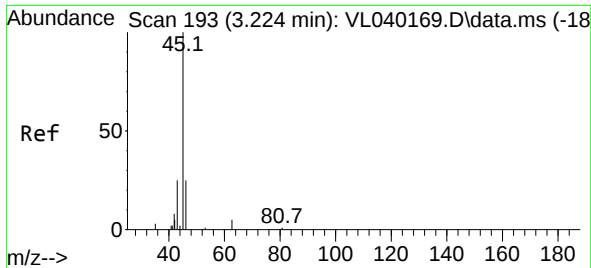
Delta R.T. 0.010 min

Lab File: VL040274.D

Acq: 13 Mar 2023 21:08

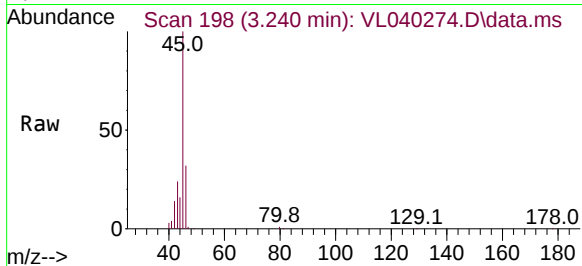
Tgt Ion:101 Resp: 35309
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.0 76.6





#13
Ethanol
Concen: 24.708 ppbv m
RT: 3.240 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

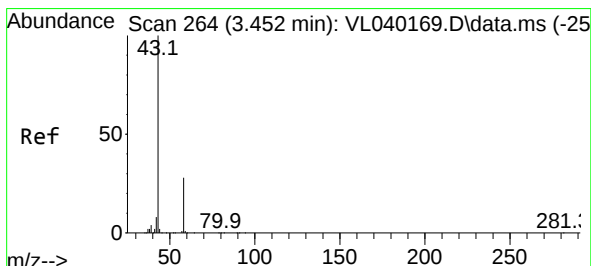
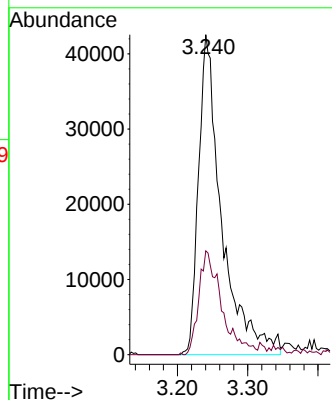
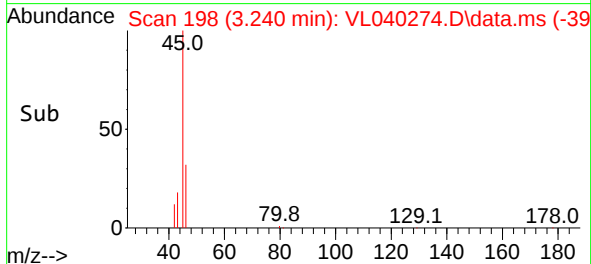
Instrument :
MSVOA_L
ClientSampleId :
OA1



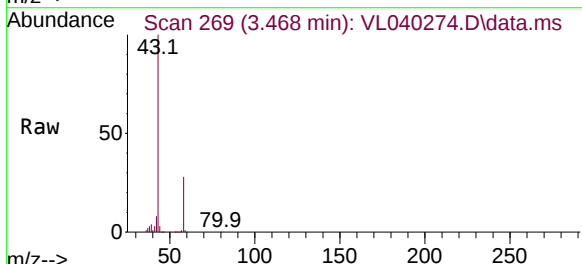
Tgt Ion: 45 Resp: 9741
Ion Ratio Lower Upper
45 100
46 32.1 13.3 53.1

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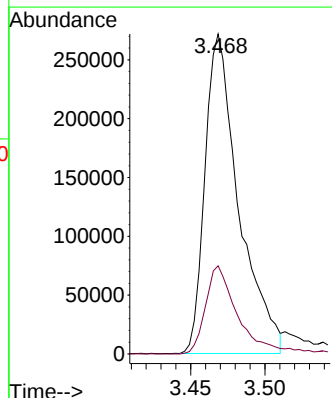
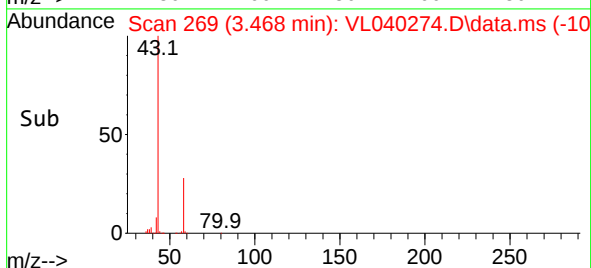
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

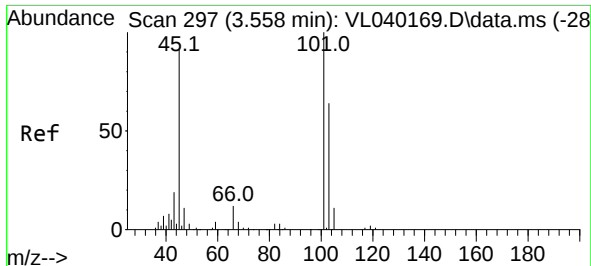


#15
Acetone
Concen: 4.057 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08



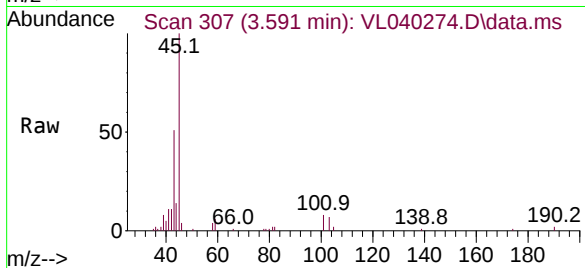
Tgt Ion: 43 Resp: 429539
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.737 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.029 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

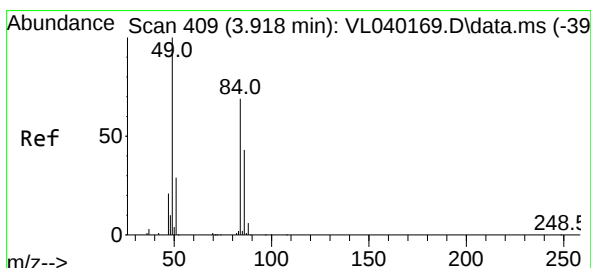
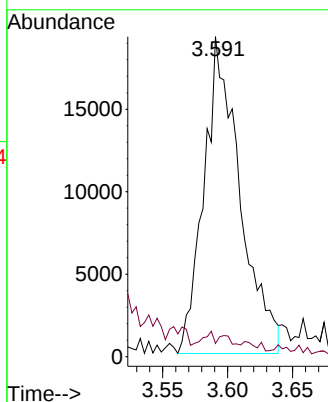
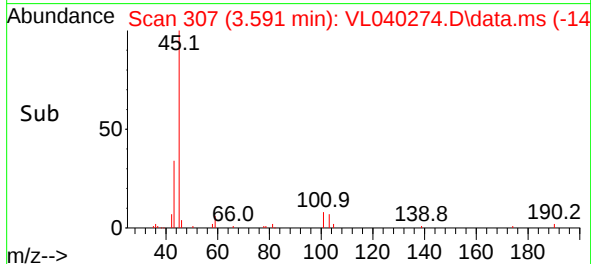
Instrument :
MSVOA_L
ClientSampleId :
OA1



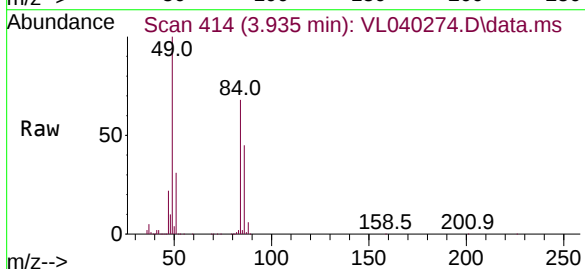
Tgt Ion: 45 Resp: 3708
Ion Ratio Lower Upper
45 100
58 318.7 2.6 3.8

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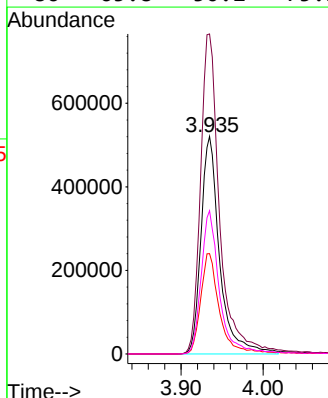
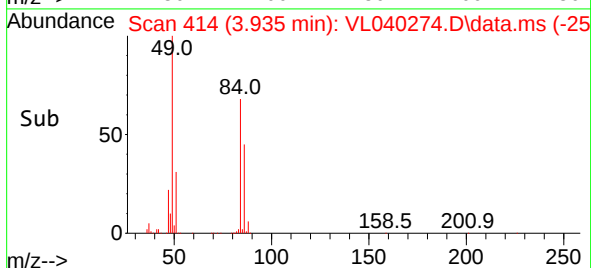
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

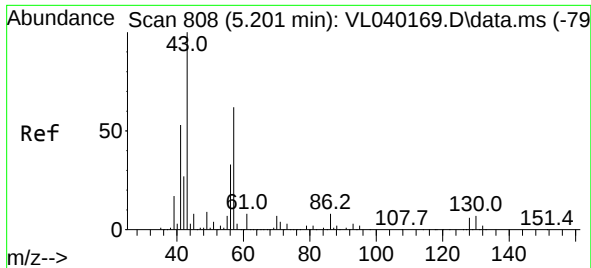


#20
Methylene Chloride
Concen: 14.942 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.013 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08



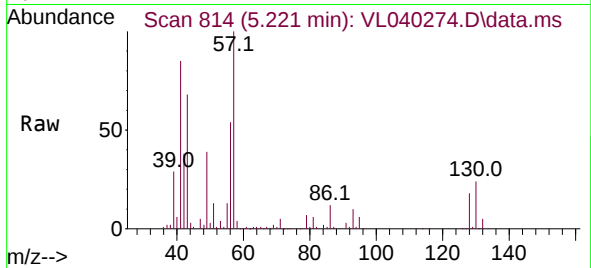
Tgt Ion: 84 Resp: 823590
Ion Ratio Lower Upper
84 100
49 147.1 115.5 173.3
51 46.1 33.1 49.7
86 65.8 50.2 75.2





#26
Hexane
Concen: 5.324 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

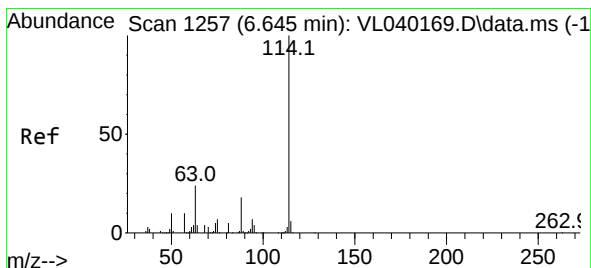
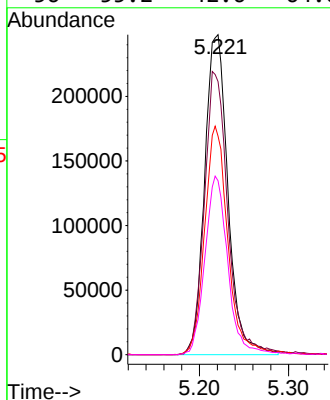
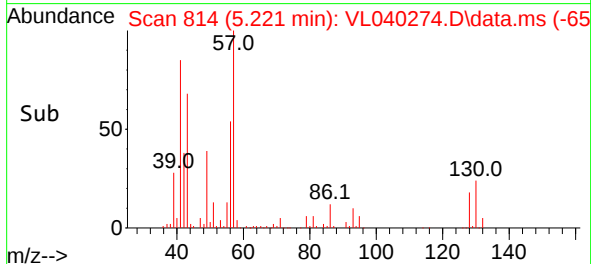
Instrument :
MSVOA_L
ClientSampleId :
OA1



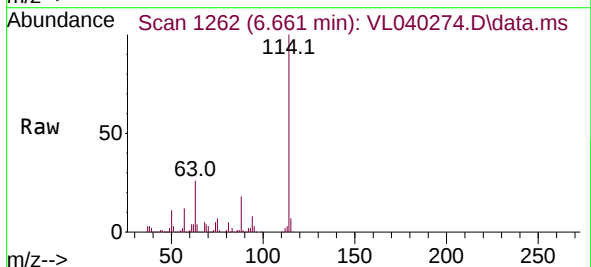
Tgt Ion: 57 Resp: 449892
Ion Ratio Lower Upper
57 100
41 90.4 74.3 111.5
43 71.5 193.0 289.4
56 55.2 42.6 64.0

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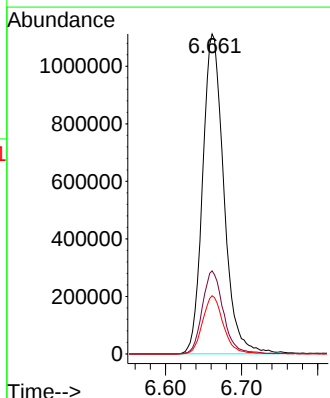
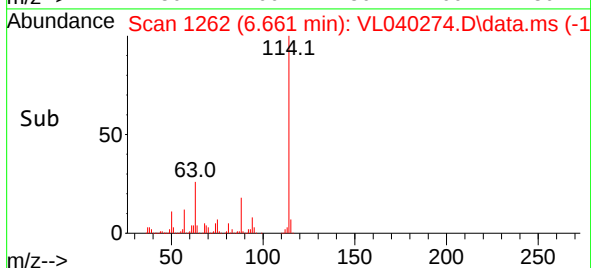
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

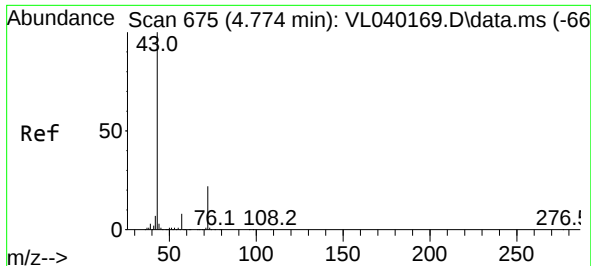


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08



Tgt Ion:114 Resp: 2146067
Ion Ratio Lower Upper
114 100
63 26.1 20.4 30.6
88 18.0 14.3 21.5





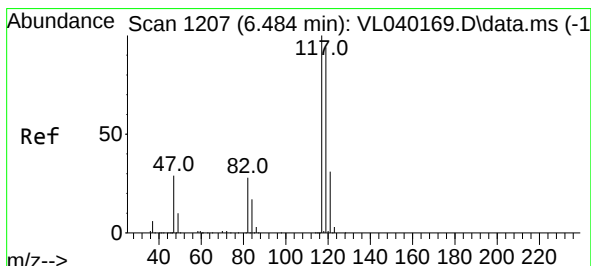
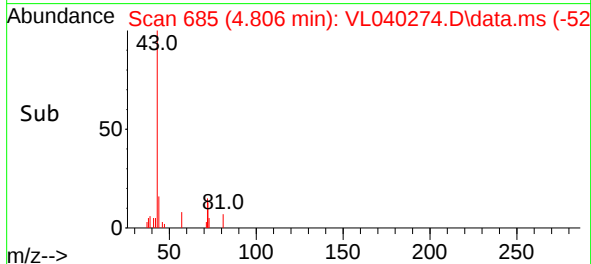
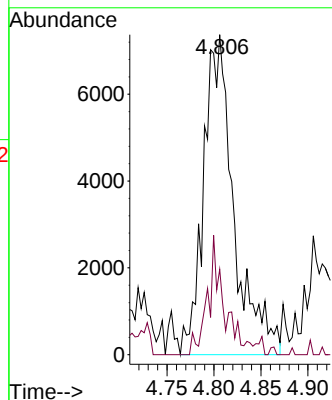
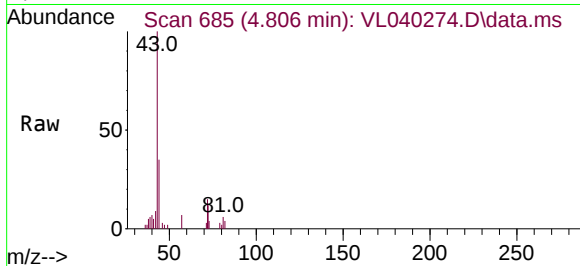
#34
2-Butanone
Concen: 0.156 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 1648
Ion Ratio Lower Upper
43 100
72 20.2 17.8 26.8

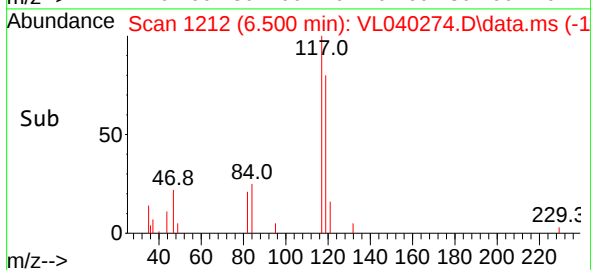
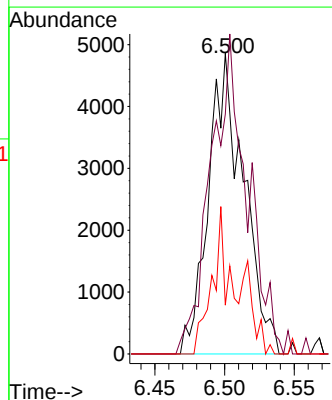
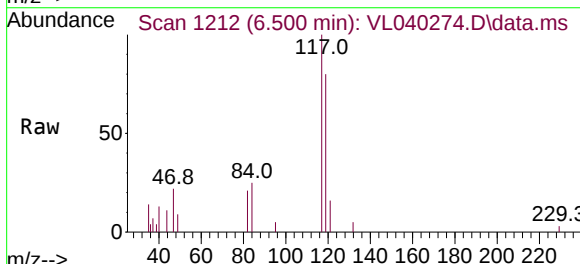
Manual Integrations
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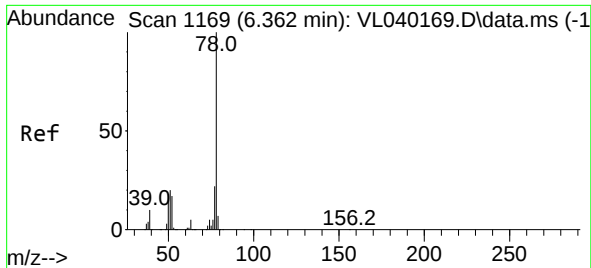
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.010 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Tgt Ion:117 Resp: 8554
Ion Ratio Lower Upper
117 100
119 79.8 75.0 112.6
121 16.2 25.0 37.4#





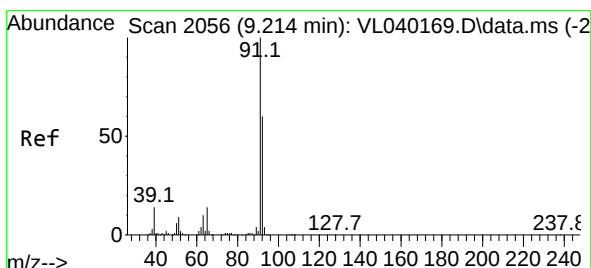
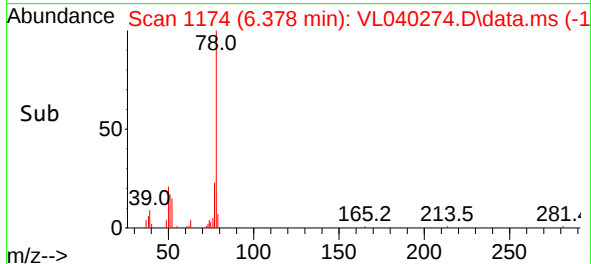
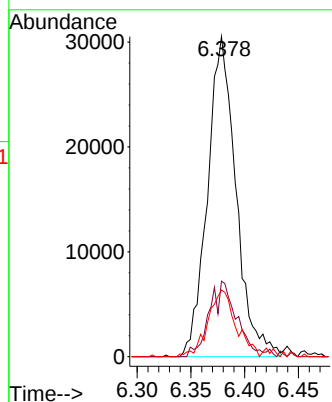
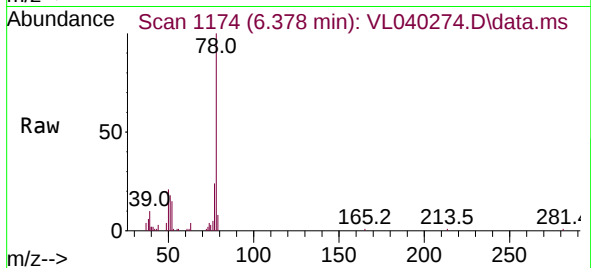
#36
Benzene
Concen: 0.337 ppbv
RT: 6.378 min Scan# 1169
Delta R.T. 0.010 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 78 Resp: 5624
Ion Ratio Lower Upper
78 100
77 23.6 17.5 26.3
50 20.9 14.6 22.0

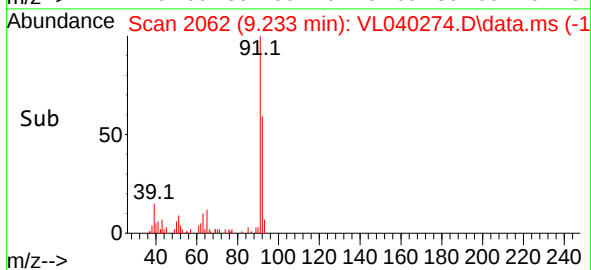
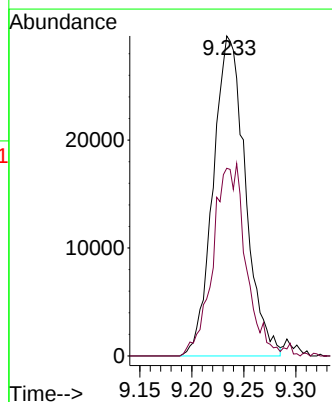
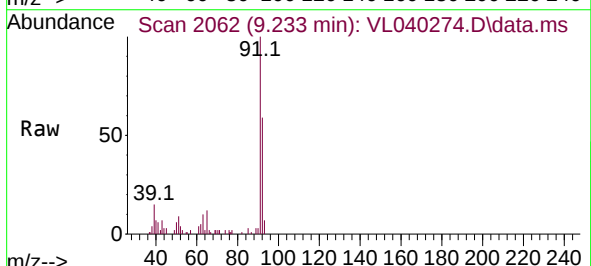
Manual Integrations
APPROVED

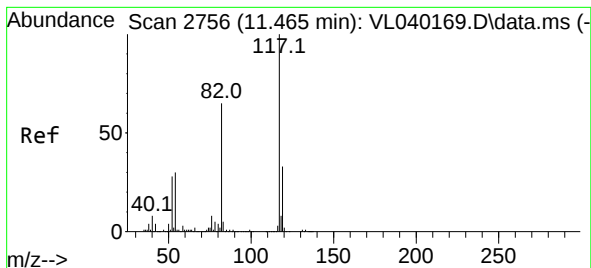
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#53
Toluene
Concen: 0.357 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.010 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Tgt Ion: 91 Resp: 63900
Ion Ratio Lower Upper
91 100
92 62.2 48.9 73.3





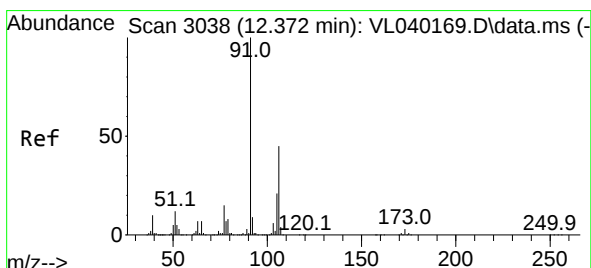
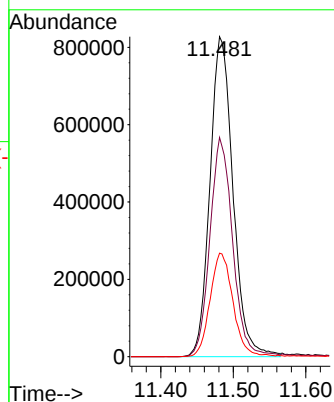
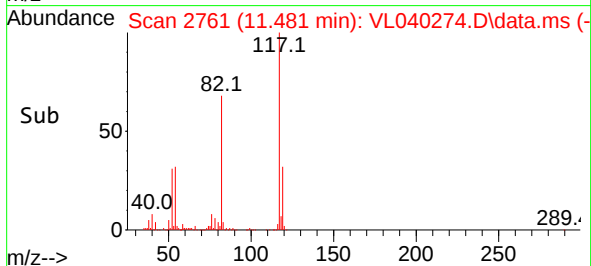
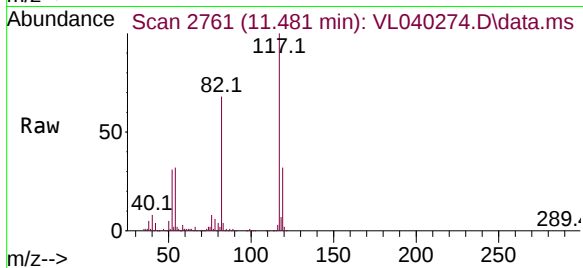
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 182748
Ion Ratio Lower Upper
117 100
82 68.4 53.3 79.9
119 32.8 24.6 37.0

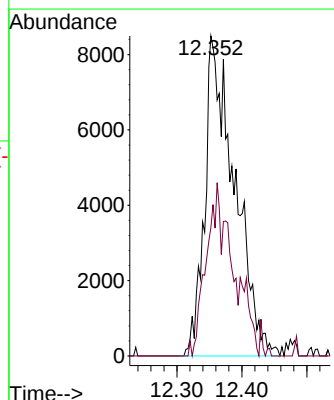
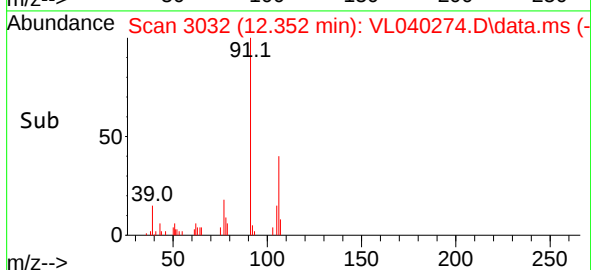
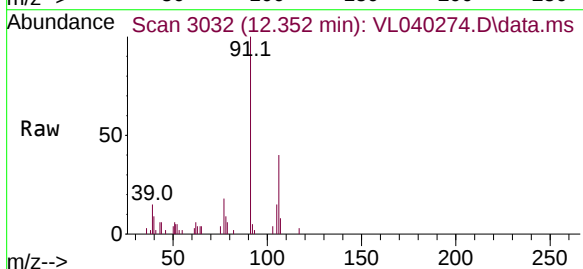
Manual Integrations
APPROVED

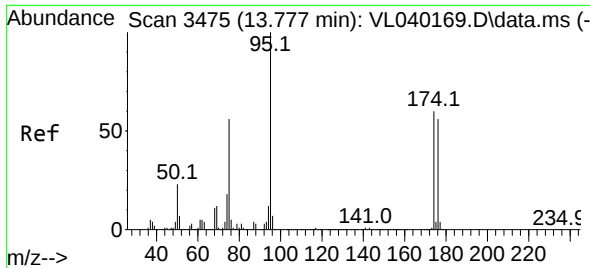
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#59
m/p-Xylene
Concen: 0.137 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.029 min
Lab File: VL040274.D
Acq: 13 Mar 2023 21:08

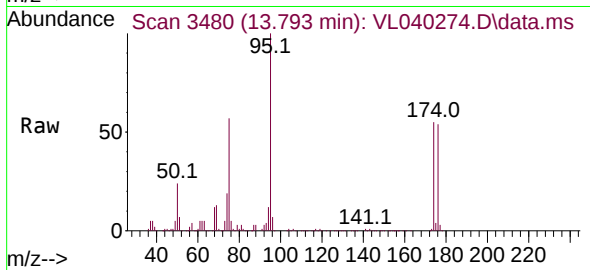
Tgt Ion: 91 Resp: 26961
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.674 ppbv
 RT: 13.793 min Scan# 3475
 Delta R.T. 0.010 min
 Lab File: VL040274.D
 Acq: 13 Mar 2023 21:08

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 145373
 Ion Ratio Lower Upper
 95 100
 174 58.1 48.2 72.2
 175 4.1 3.4 5.2

Manual Integrations
 APPROVED

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

