

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041481.D
 Acq On : 1 Aug 2024 16:59
 Operator : SY/MD
 Sample : P3445-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT-OUTSIDE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/02/2024
 Supervised By :Mahesh Dadoda 08/03/2024

Quant Time: Aug 02 04:12:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	938488	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2465073	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2241656	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1751406 10.153 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	40267	0.249	ppbv	99
3) Chlorodifluoromethane	2.678	51	73557m	0.658	ppbv	
4) Chloromethane	2.816	50	38620	0.650	ppbv	94
9) Propene	2.710	41	55779m	1.087	ppbv	
10) Heptane	7.581	43	12518m	0.109	ppbv	
11) Trichlorofluoromethane	3.565	101	32318	0.225	ppbv	87
13) Ethanol	3.253	45	549547	119.802	ppbv	96
15) Acetone	3.468	43	1098866	10.305	ppbv	100
19) Isopropyl Alcohol	3.591	45	165058	2.648	ppbv #	1
20) Methylene Chloride	3.935	84	4391379	110.438	ppbv	92
26) Hexane	5.214	57	2189801	24.919	ppbv #	37
30) Cyclohexane	6.607	84	8149m	0.114	ppbv	
34) 2-Butanone	4.790	43	67799m	0.569	ppbv	
35) Carbon Tetrachloride	6.491	117	9289m	0.068	ppbv	
36) Benzene	6.369	78	52514	0.292	ppbv #	93
41) Tetrahydrofuran	5.558	42	13842m	0.203	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	61428m	0.204	ppbv	
53) Toluene	9.224	91	122478	0.610	ppbv	98
59) m/p-Xylene	12.346	91	54196m	0.243	ppbv	
60) o-Xylene	13.063	91	23081m	0.109	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	28901m	0.116	ppbv	

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

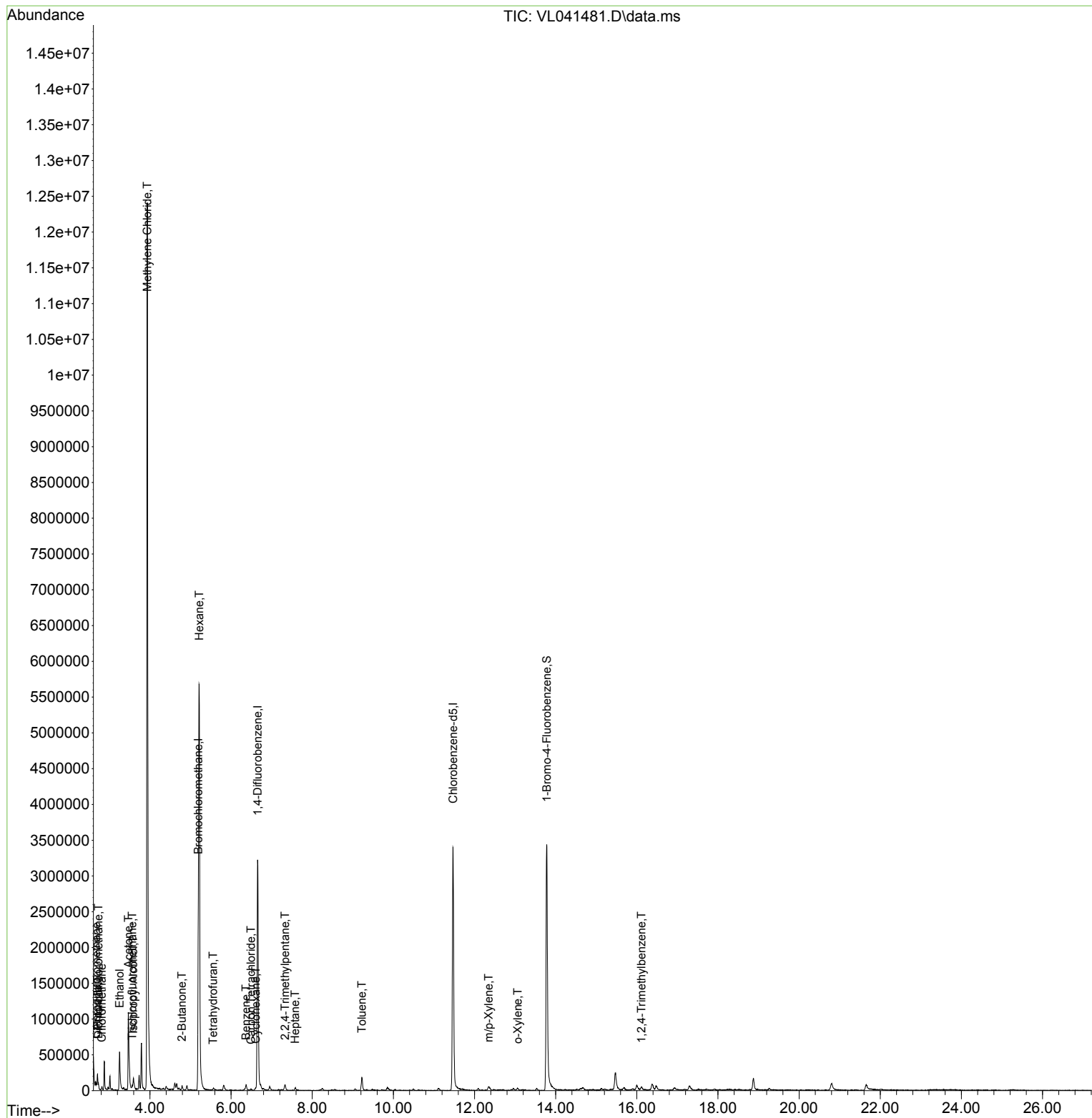
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
Data File : VL041481.D
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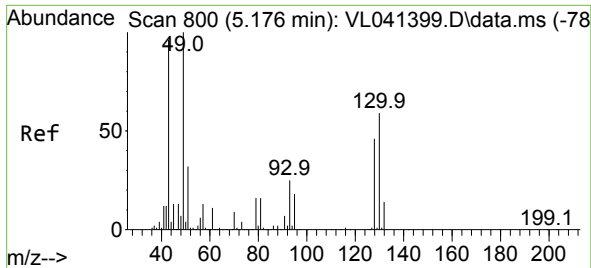
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE

Quant Time: Aug 02 04:12:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 02 03:13:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

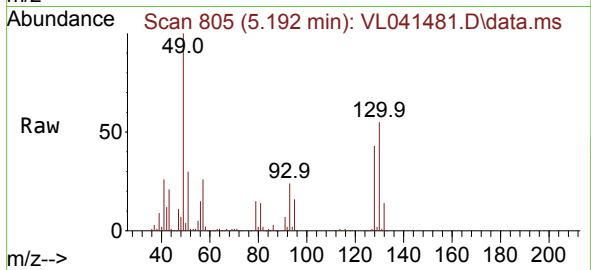
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

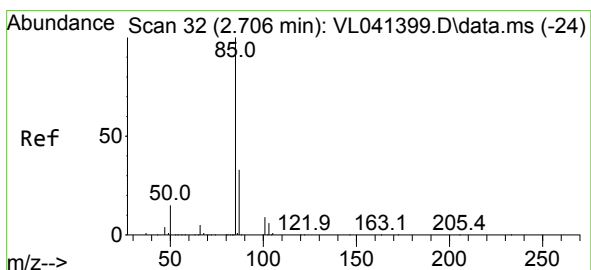
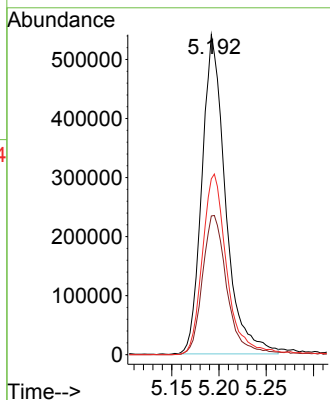
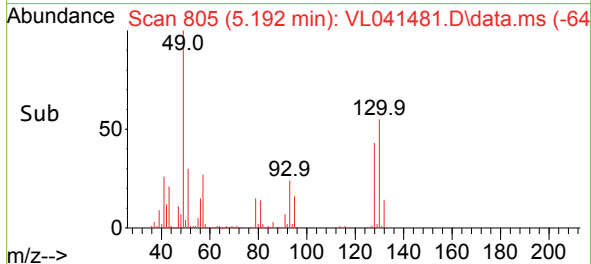
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 49 Resp: 93848
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.4
130 60.1 30.8 92.4

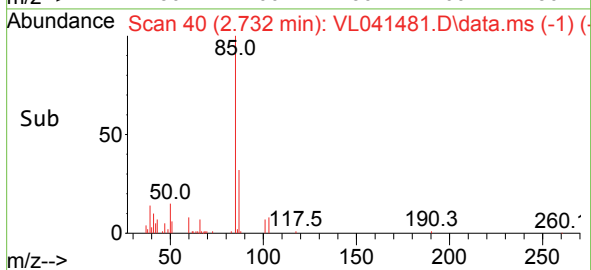
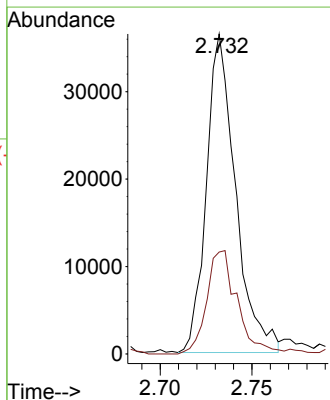
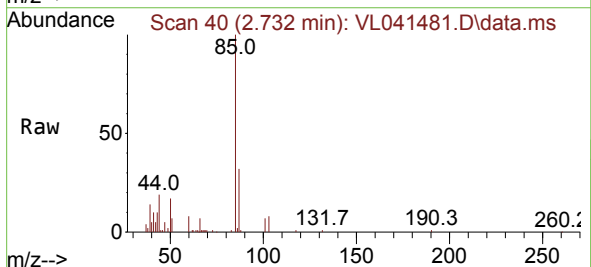
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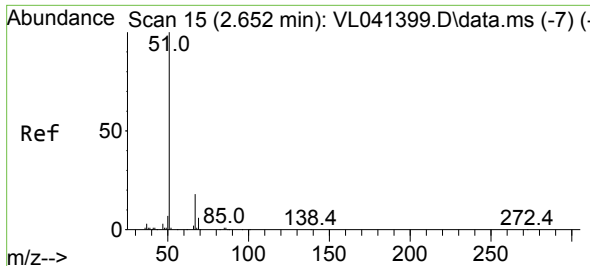
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#2
Dichlorodifluoromethane
Concen: 0.249 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

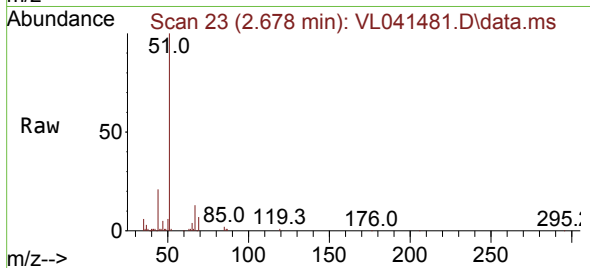
Tgt Ion: 85 Resp: 40267
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.658 ppbv m
RT: 2.678 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

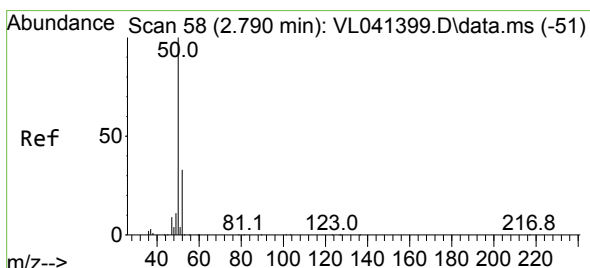
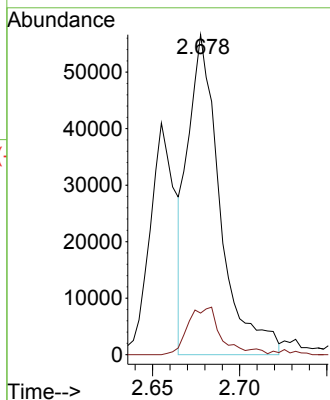
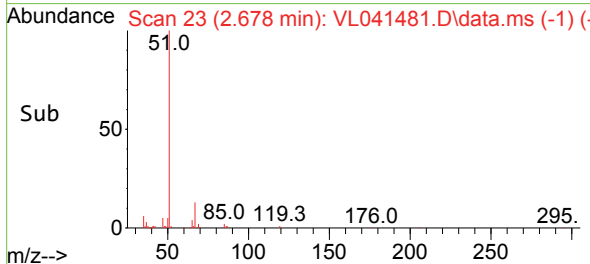
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 51 Resp: 7355
Ion Ratio Lower Upper
51 100
67 16.2 14.5 21.7

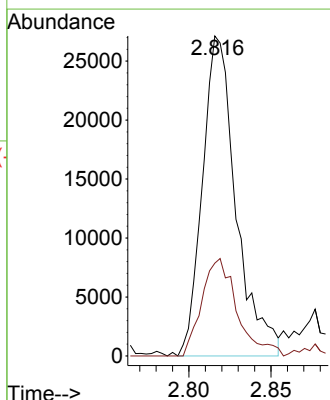
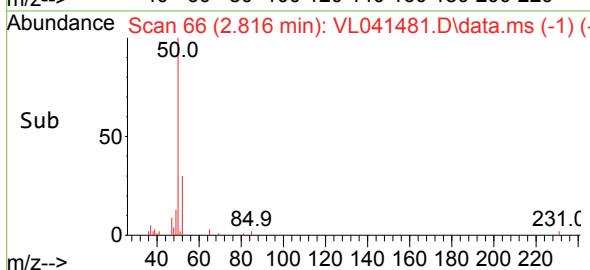
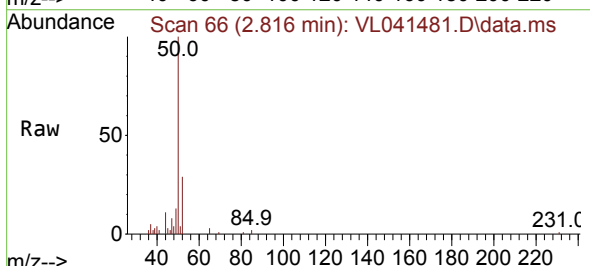
Manual Integrations
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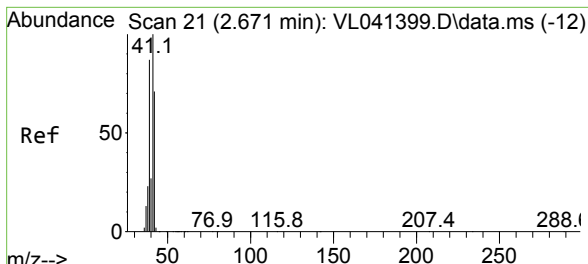
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#4
Chloromethane
Concen: 0.650 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

Tgt Ion: 50 Resp: 38620
Ion Ratio Lower Upper
50 100
52 29.0 26.1 39.1





#9
 Propene
 Concen: 1.087 ppbv m
 RT: 2.710 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VL041481.D
 Acq: 1 Aug 2024 16:59

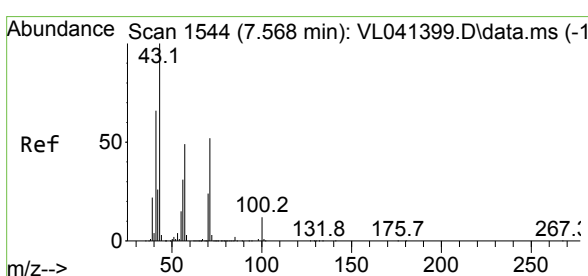
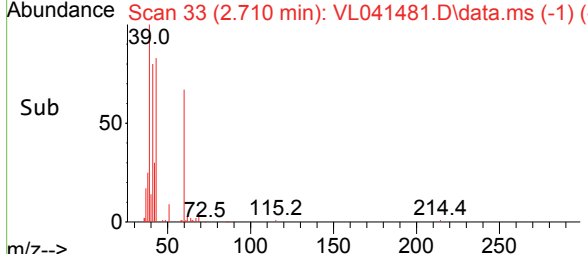
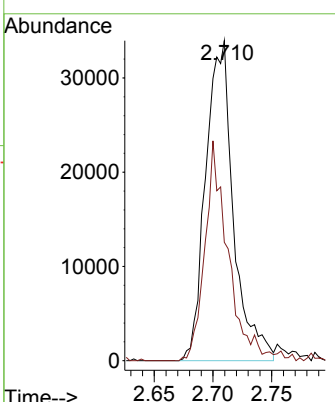
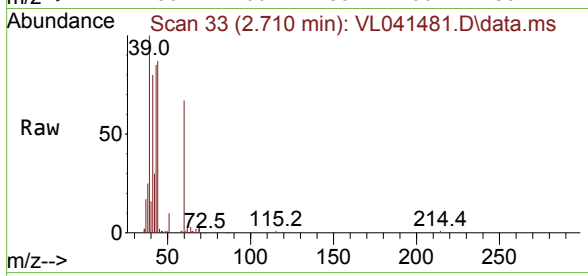
Instrument : MSVOA_L
 ClientSampleId : AMBIENT-OUTSIDE

Tgt Ion: 41 Resp: 55779

Ion	Ratio	Lower	Upper
41	100		
42	58.1	55.9	83.9

Manual Integrations
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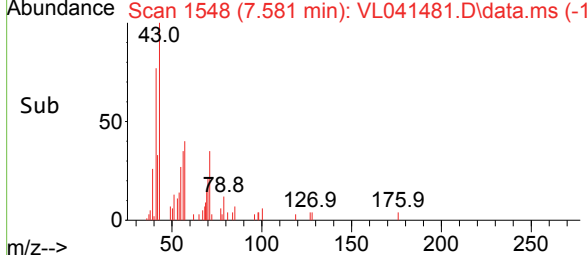
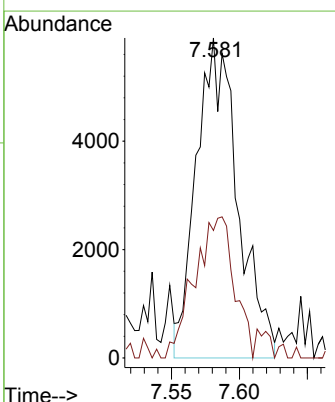
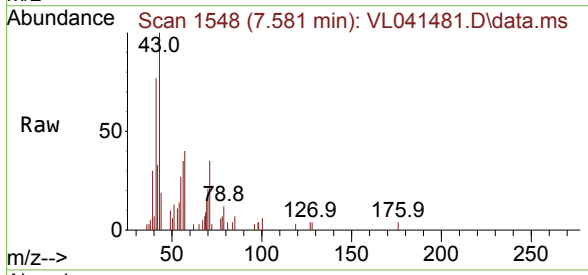
Reviewed By :Semsettin Yesilyurt 08/02/2024
 Supervised By :Mahesh Dadoda 08/03/2024

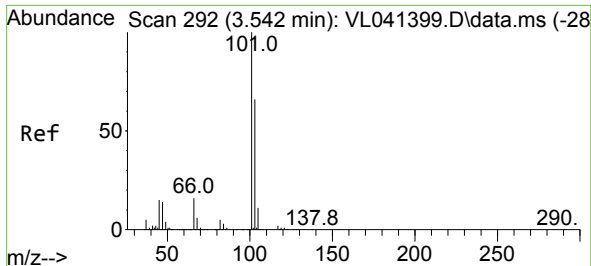


#10
 Heptane
 Concen: 0.109 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.003 min
 Lab File: VL041481.D
 Acq: 1 Aug 2024 16:59

Tgt Ion: 43 Resp: 12518

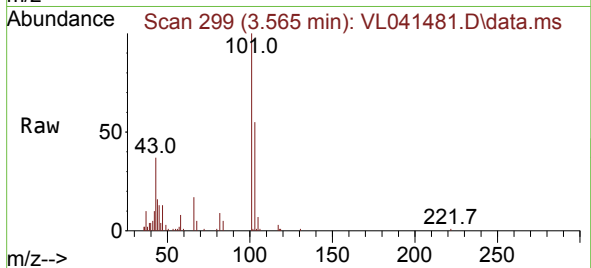
Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.5	60.7





#11
Trichlorofluoromethane
Concen: 0.225 ppbv
RT: 3.565 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

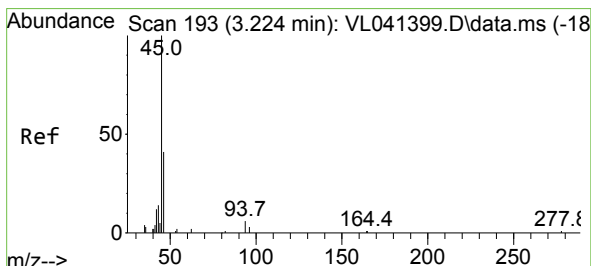
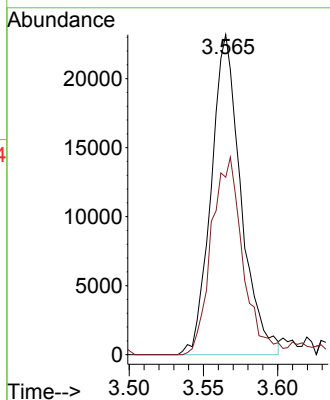
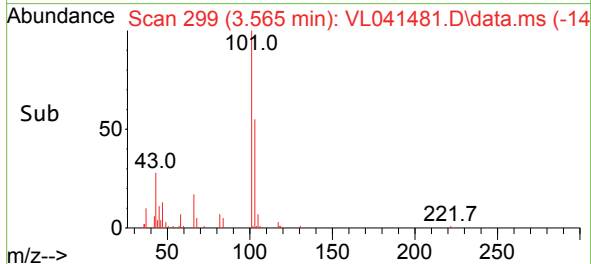
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



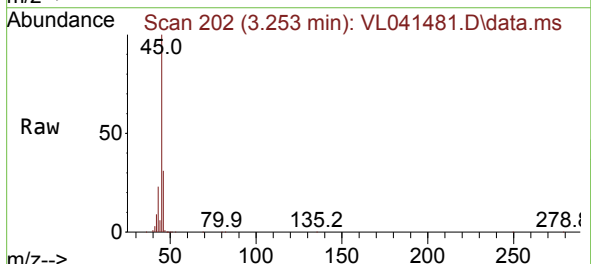
Tgt Ion:101 Resp: 32318
Ion Ratio Lower Upper
101 100
103 55.4 52.6 79.0

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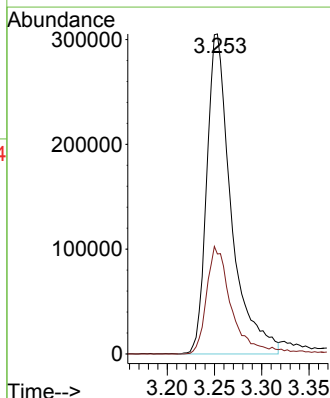
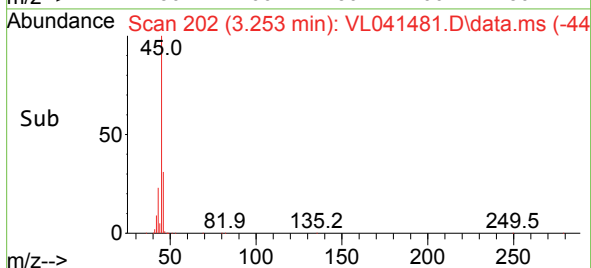
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024

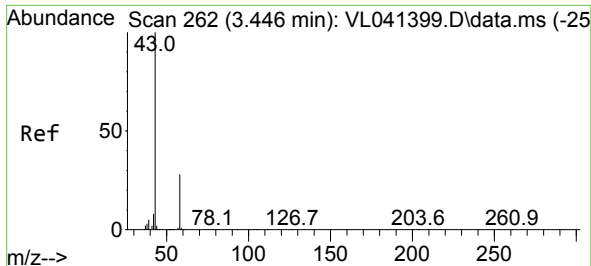


#13
Ethanol
Concen: 119.802 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.006 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59



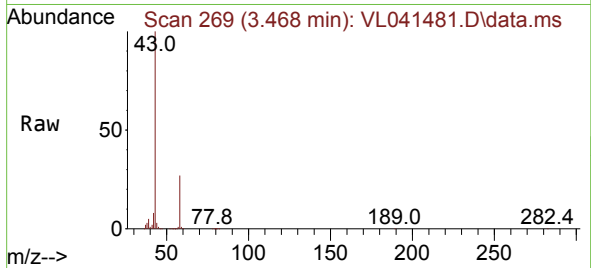
Tgt Ion: 45 Resp: 549547
Ion Ratio Lower Upper
45 100
46 35.5 13.4 53.4





#15
Acetone
Concen: 10.305 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

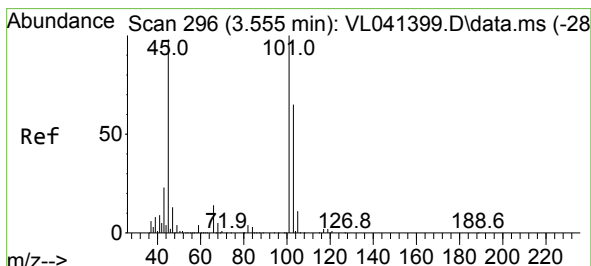
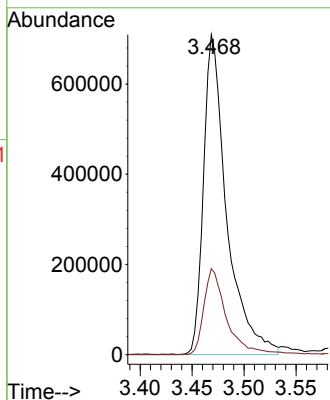
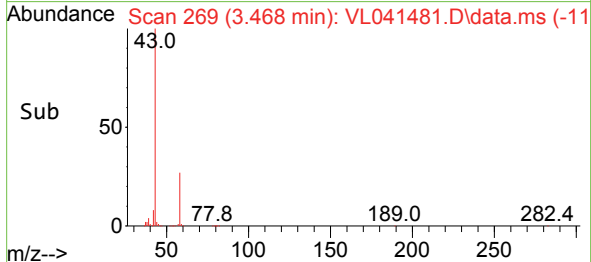
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 43 Resp: 1098860
Ion Ratio Lower Upper
43 100
58 26.8 21.4 32.2

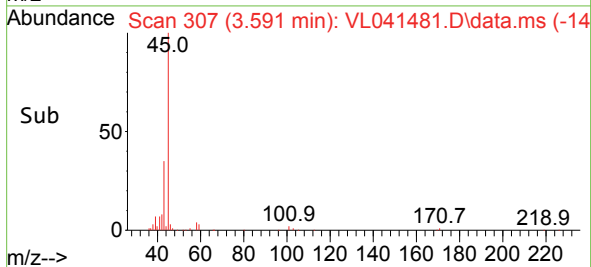
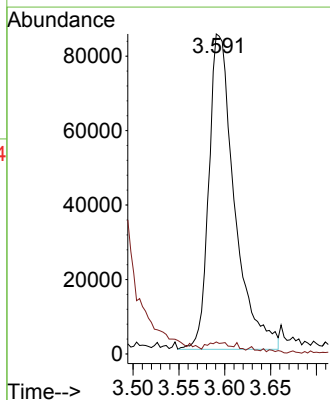
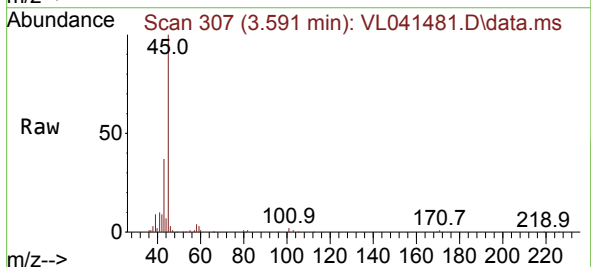
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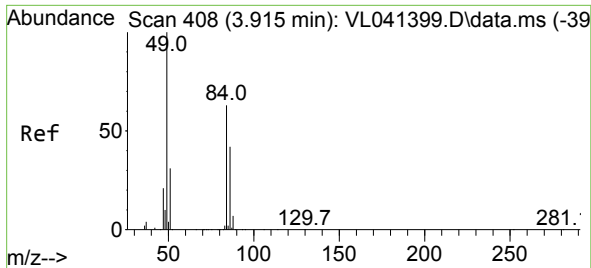
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#19
Isopropyl Alcohol
Concen: 2.648 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.016 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

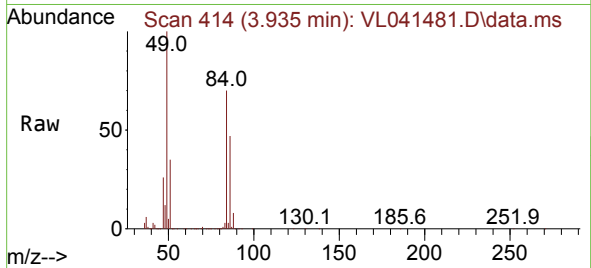
Tgt Ion: 45 Resp: 165058
Ion Ratio Lower Upper
45 100
58 178.2 1.9 2.9#





#20
Methylene Chloride
Concen: 110.438 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

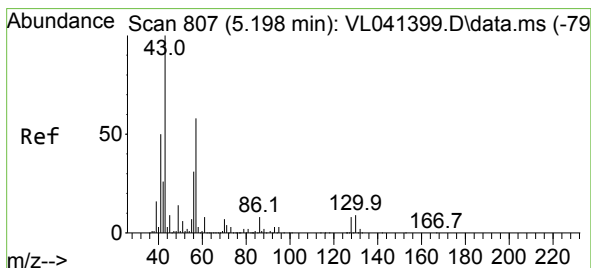
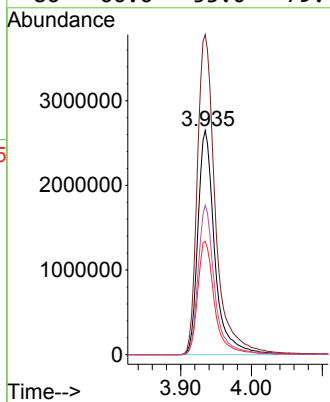
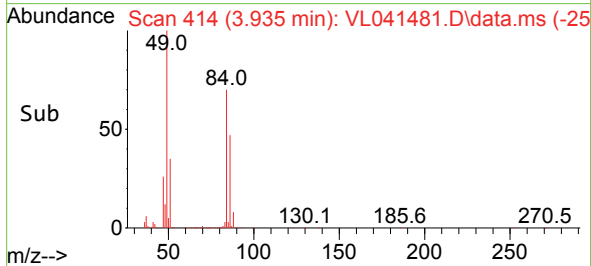
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 84 Resp: 4391379
Ion Ratio Lower Upper
84 100
49 142.7 126.6 190.0
51 50.5 38.6 58.0
86 66.6 53.0 79.4

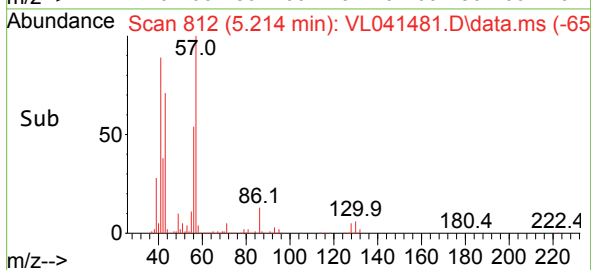
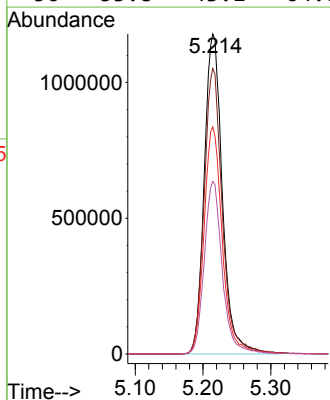
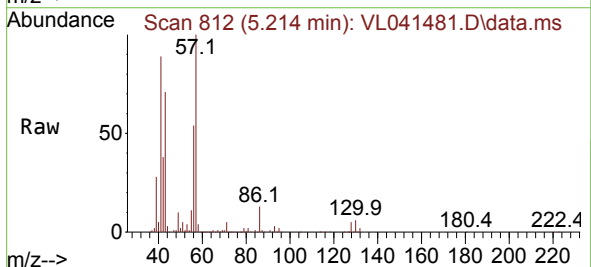
Manual Integrations
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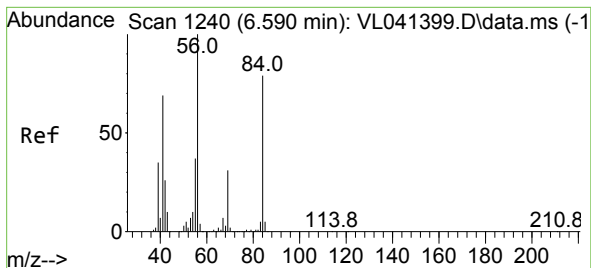
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#26
Hexane
Concen: 24.919 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

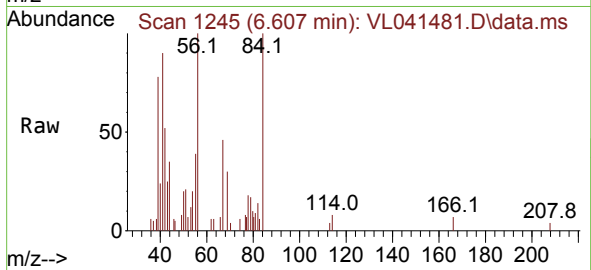
Tgt Ion: 57 Resp: 2189801
Ion Ratio Lower Upper
57 100
41 90.4 74.0 111.0
43 71.8 193.6 290.4#
56 53.8 43.1 64.7





#30
Cyclohexane
Concen: 0.114 ppbv m
RT: 6.607 min Scan# 1245
Delta R.T. 0.010 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

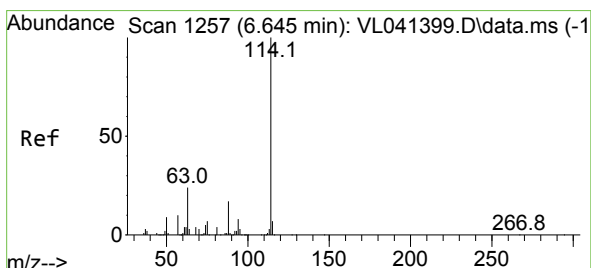
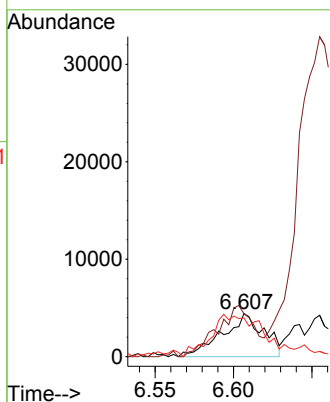
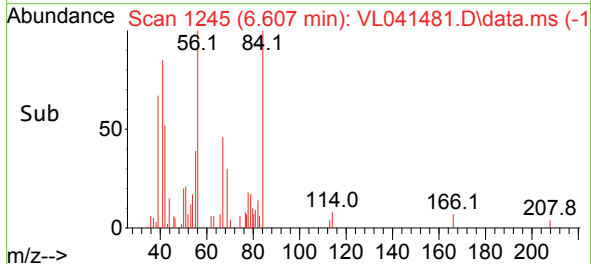
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 84 Resp: 8149
Ion Ratio Lower Upper
84 100
56 113.1 111.2 166.8
41 0.0 70.3 105.5

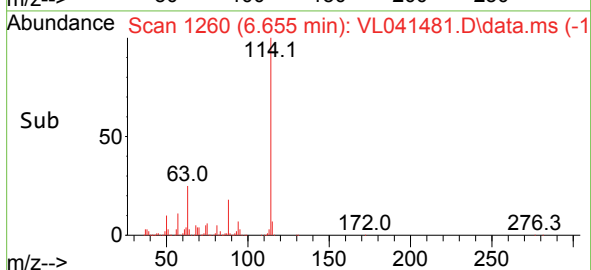
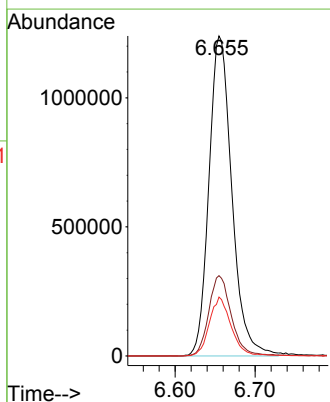
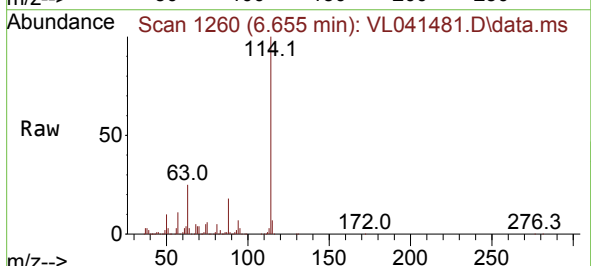
Manual Integrations
APPROVED

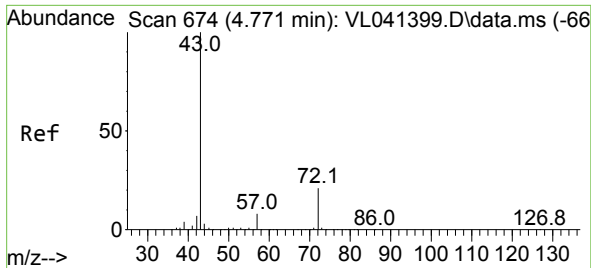
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

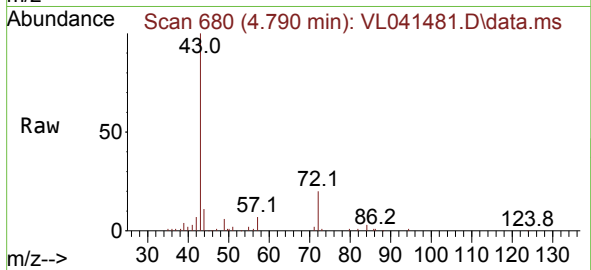
Tgt Ion:114 Resp: 2465073
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 17.7 14.3 21.5





#34
2-Butanone
Concen: 0.569 ppbv m
RT: 4.790 min Scan# 674
Delta R.T. 0.006 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

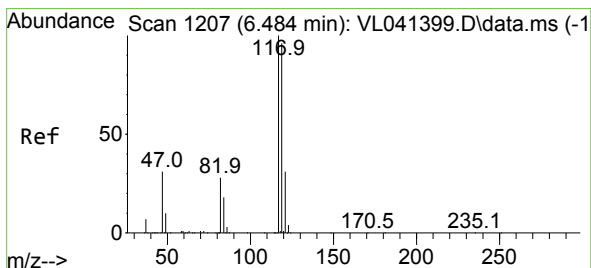
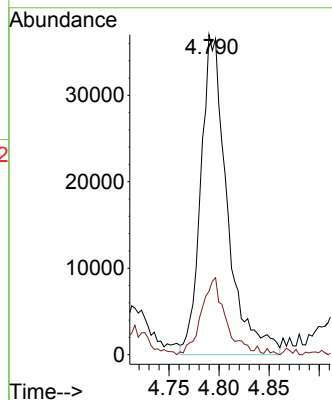
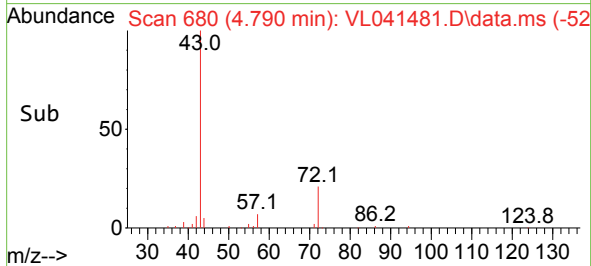
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 43 Resp: 67799
Ion Ratio Lower Upper
43 100
72 22.7 17.3 25.9

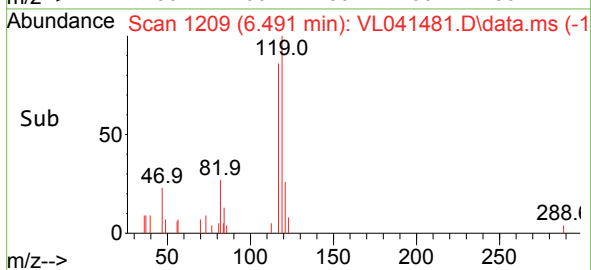
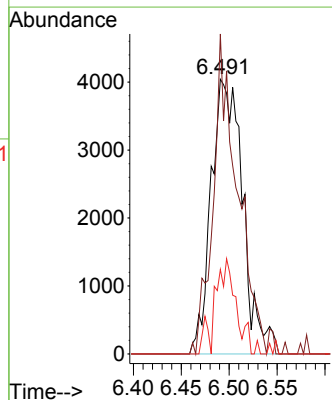
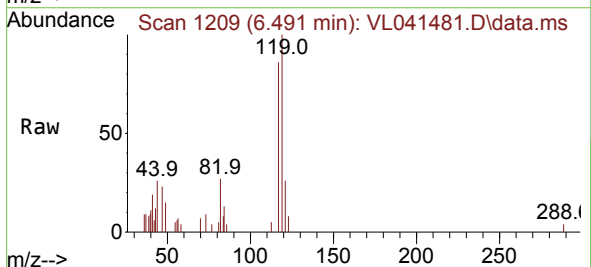
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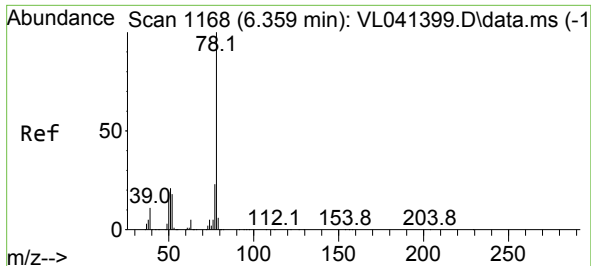
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

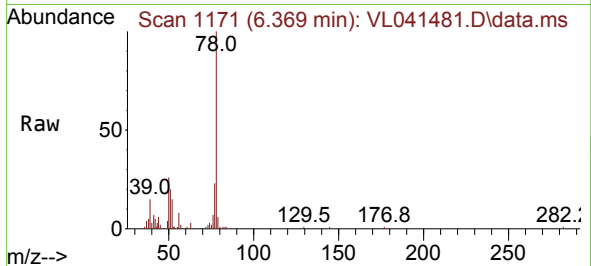
Tgt Ion:117 Resp: 9289
Ion Ratio Lower Upper
117 100
119 116.4 76.6 115.0#
121 30.7 25.1 37.7





#36
Benzene
Concen: 0.292 ppbv
RT: 6.369 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

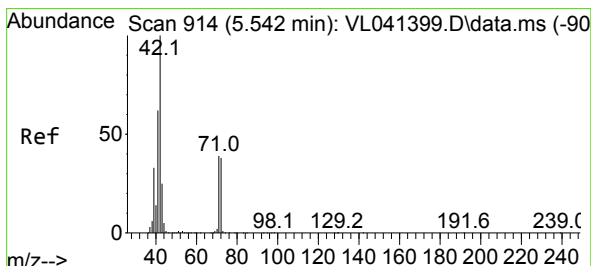
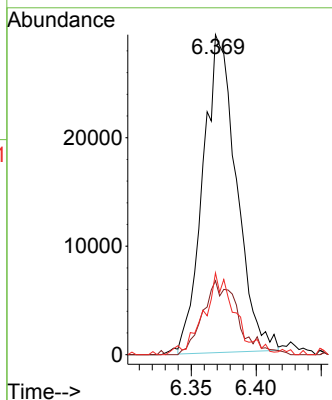
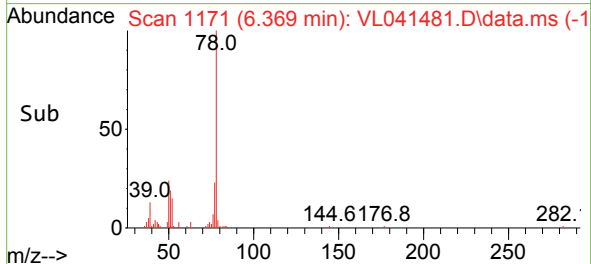
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 78 Resp: 52514
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1
50 25.1 15.5 23.3

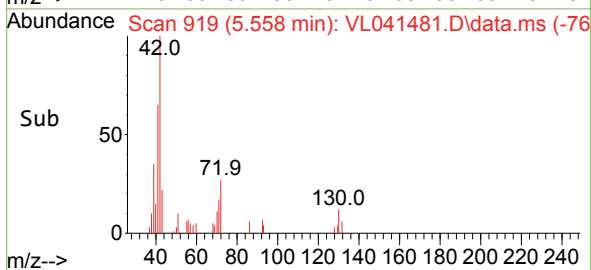
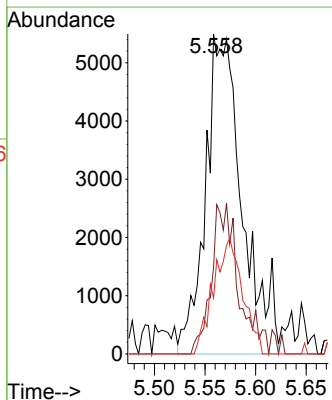
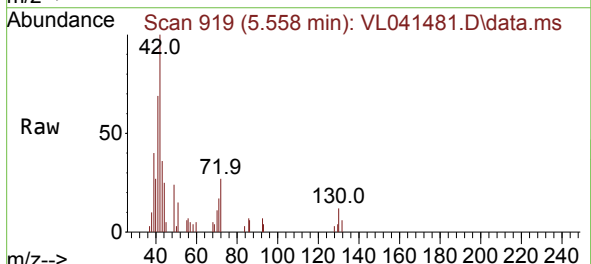
Manual Integrations
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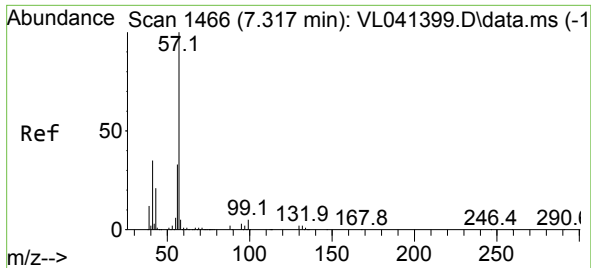
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#41
Tetrahydrofuran
Concen: 0.203 ppbv m
RT: 5.558 min Scan# 919
Delta R.T. 0.006 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

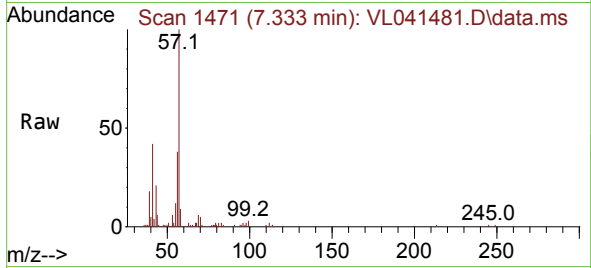
Tgt Ion: 42 Resp: 13842
Ion Ratio Lower Upper
42 100
72 53.9 31.2 46.8#
71 881.1 30.5 45.7#





#44
2,2,4-Trimethylpentane
Concen: 0.204 ppbv m
RT: 7.333 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

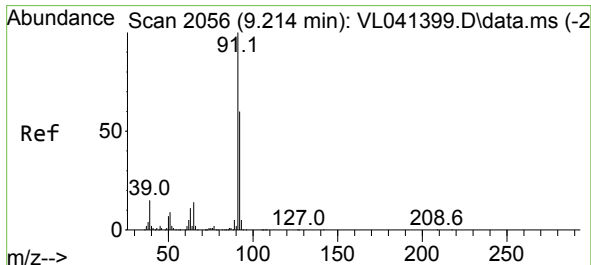
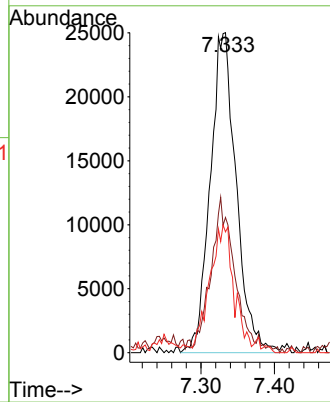
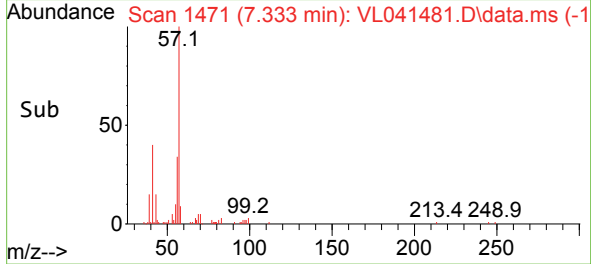
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion: 57 Resp: 61428
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6
56 0.0 25.2 37.8

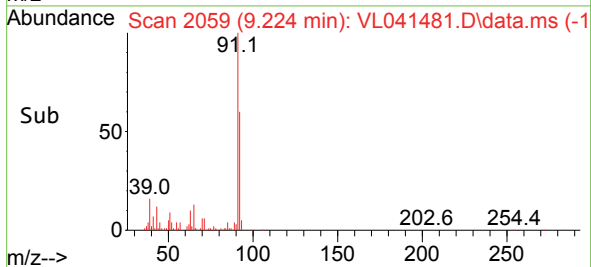
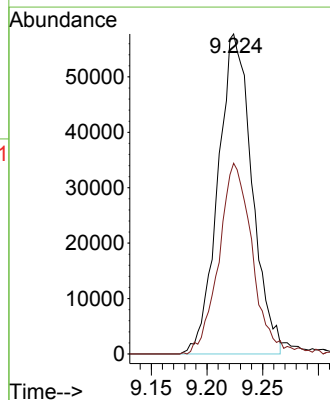
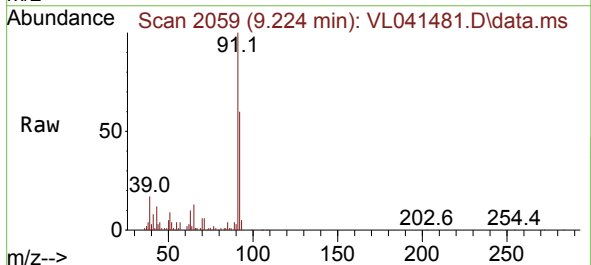
Manual Integrations
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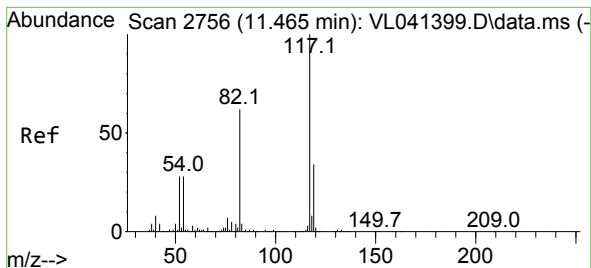
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#53
Toluene
Concen: 0.610 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

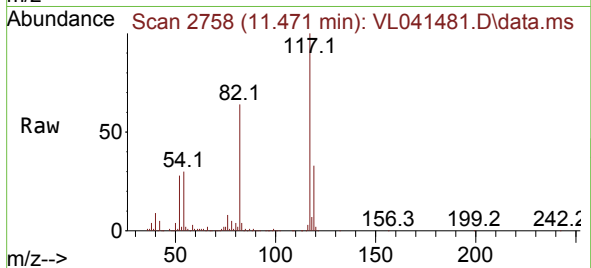
Tgt Ion: 91 Resp: 122478
Ion Ratio Lower Upper
91 100
92 59.4 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2756
Delta R.T. 0.006 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

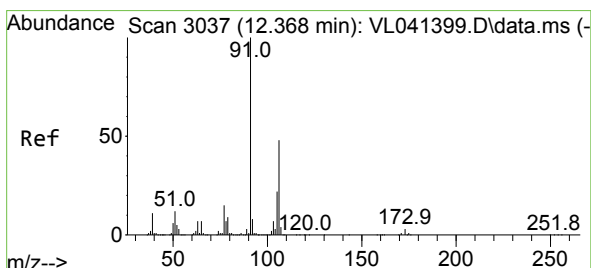
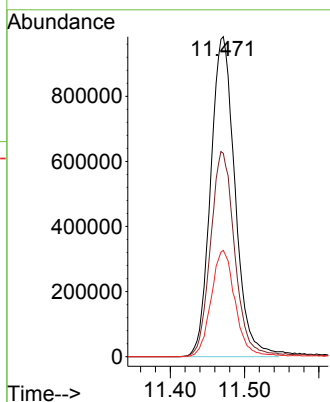
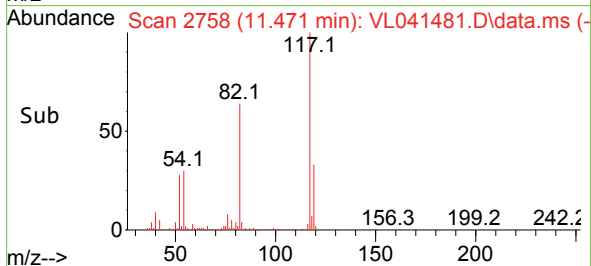
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE



Tgt Ion:117 Resp: 2241650
Ion Ratio Lower Upper
117 100
82 65.1 51.0 76.6
119 33.4 45.2 67.8

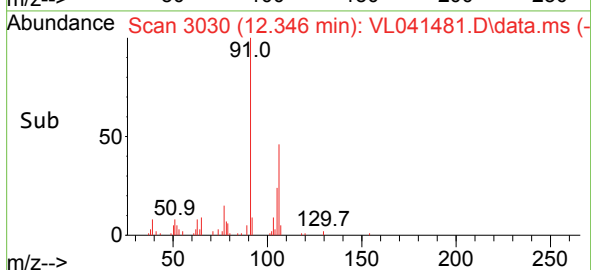
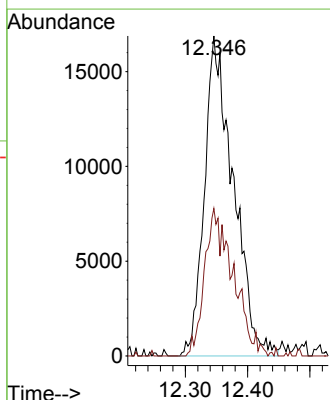
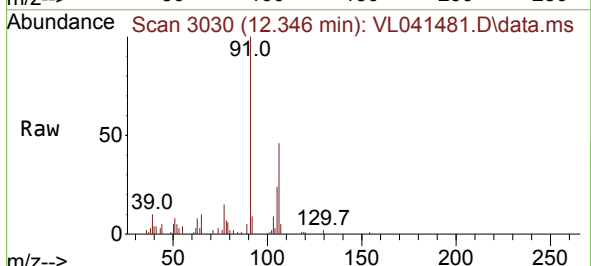
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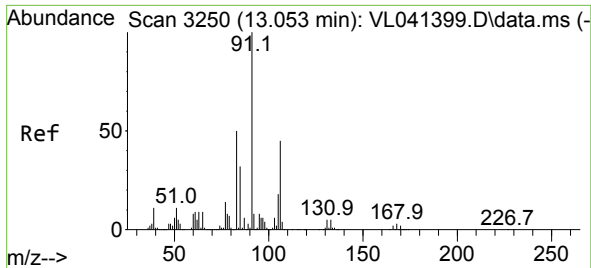
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#59
m/p-Xylene
Concen: 0.243 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.022 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

Tgt Ion: 91 Resp: 54196
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5





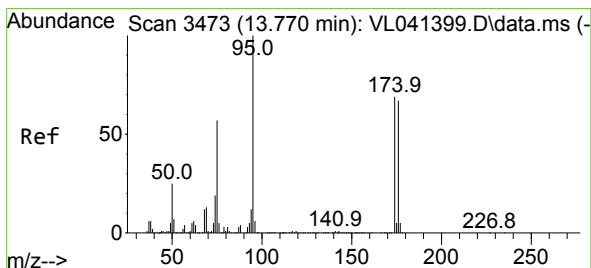
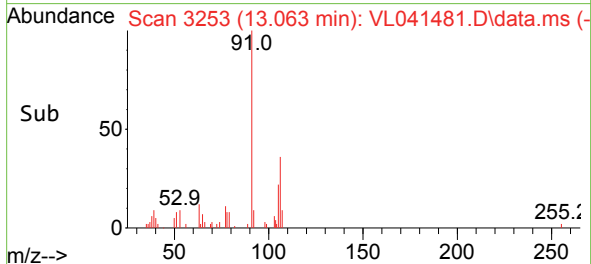
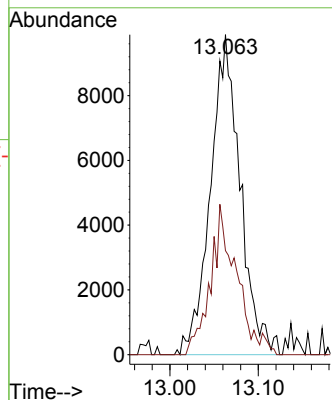
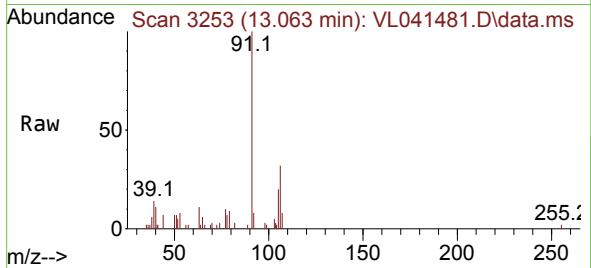
#60
o-Xylene
Concen: 0.109 ppbv m
RT: 13.063 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-OUTSIDE

Tgt Ion: 91 Resp: 2308
Ion Ratio Lower Upper
91 100
106 41.3 23.1 69.3

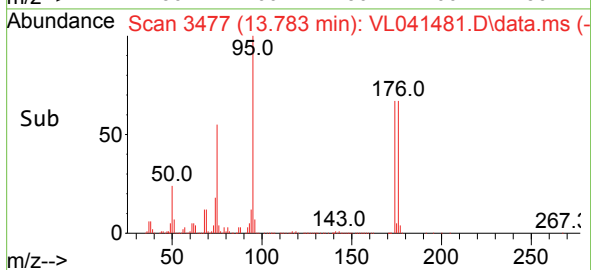
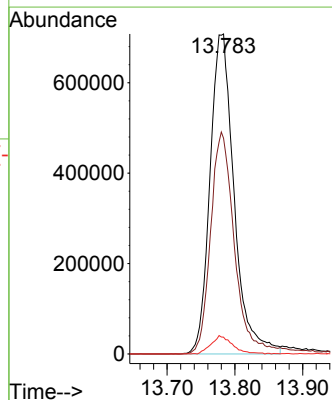
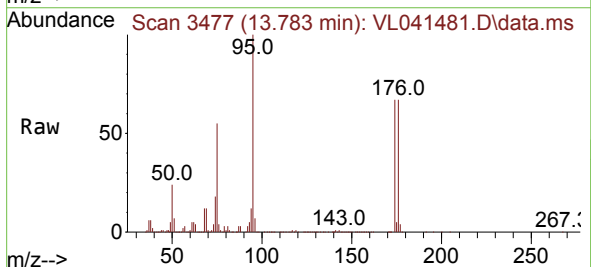
Manual Integrations
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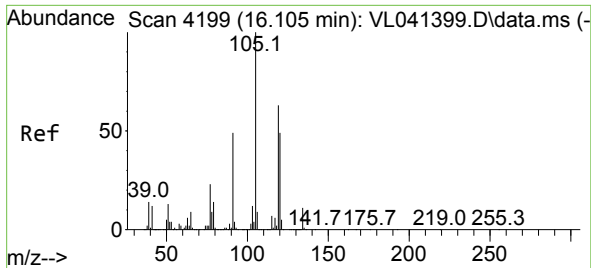
Reviewed By :Semsettin Yesilyurt 08/02/2024
Supervised By :Mahesh Dadoda 08/03/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.153 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.010 min
Lab File: VL041481.D
Acq: 1 Aug 2024 16:59

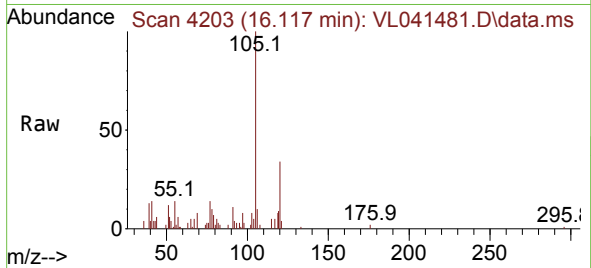
Tgt Ion: 95 Resp: 1751406
Ion Ratio Lower Upper
95 100
174 70.6 56.3 84.5
175 5.2 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.116 ppbv m
 RT: 16.117 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041481.D
 Acq: 1 Aug 2024 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT-OUTSIDE



Tgt Ion:	105	Resp:	2890
Ion Ratio	Lower	Upper	
105	100		
120	33.6	39.5	59.3
91	11.3	39.8	59.8
77	13.8	18.2	27.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/02/2024
 Supervised By :Mahesh Dadoda 08/03/2024

