

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040987.D
 Acq On : 16 Jan 2024 15:12
 Operator : SY/MD
 Sample : P1138-05DL2 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024
 Supervised By :Mahesh Dadoda 01/17/2024

Quant Time: Jan 17 00:26:34 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1049366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3152274	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2784542	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2109174 10.283 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
9) Propene	2.690	41	216611	4.157	ppbv	94
10) Heptane	7.590	43	579329	4.473	ppbv	97
13) Ethanol	3.234	45	1042444	79.306	ppbv	100
16) 1,3-Butadiene	2.964	39	113682m	2.098	ppbv	
20) Methylene Chloride	3.935	84	51402	1.146	ppbv	92
25) Ethyl Acetate	5.218	43	552688	2.534	ppbv #	77
26) Hexane	5.218	57	783842	8.110	ppbv #	41
30) Cyclohexane	6.610	84	247351	3.070	ppbv	90
36) Benzene	6.378	78	1063505	4.316	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	1166556	2.787	ppbv #	84
53) Toluene	9.234	91	3348924	12.256	ppbv	99
58) Ethyl Benzene	12.102	91	957723	2.678	ppbv	96
59) m/p-Xylene	12.352	91	2407849	7.915	ppbv #	100
60) o-Xylene	13.069	91	925303	3.228	ppbv	99
61) Styrene	12.918	104	27457m	0.202	ppbv	
62) Isopropylbenzene	14.040	105	194786	0.458	ppbv	98
64) n-propylbenzene	14.934	120	39532	0.371	ppbv #	62
65) tert-Butylbenzene	16.121	119	75545m	0.209	ppbv	
72) 4-Ethyltoluene	15.208	105	262629	0.835	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	210253	0.774	ppbv	95
74) 1,2,4-Trimethylbenzene	16.121	105	745139	2.466	ppbv #	68

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

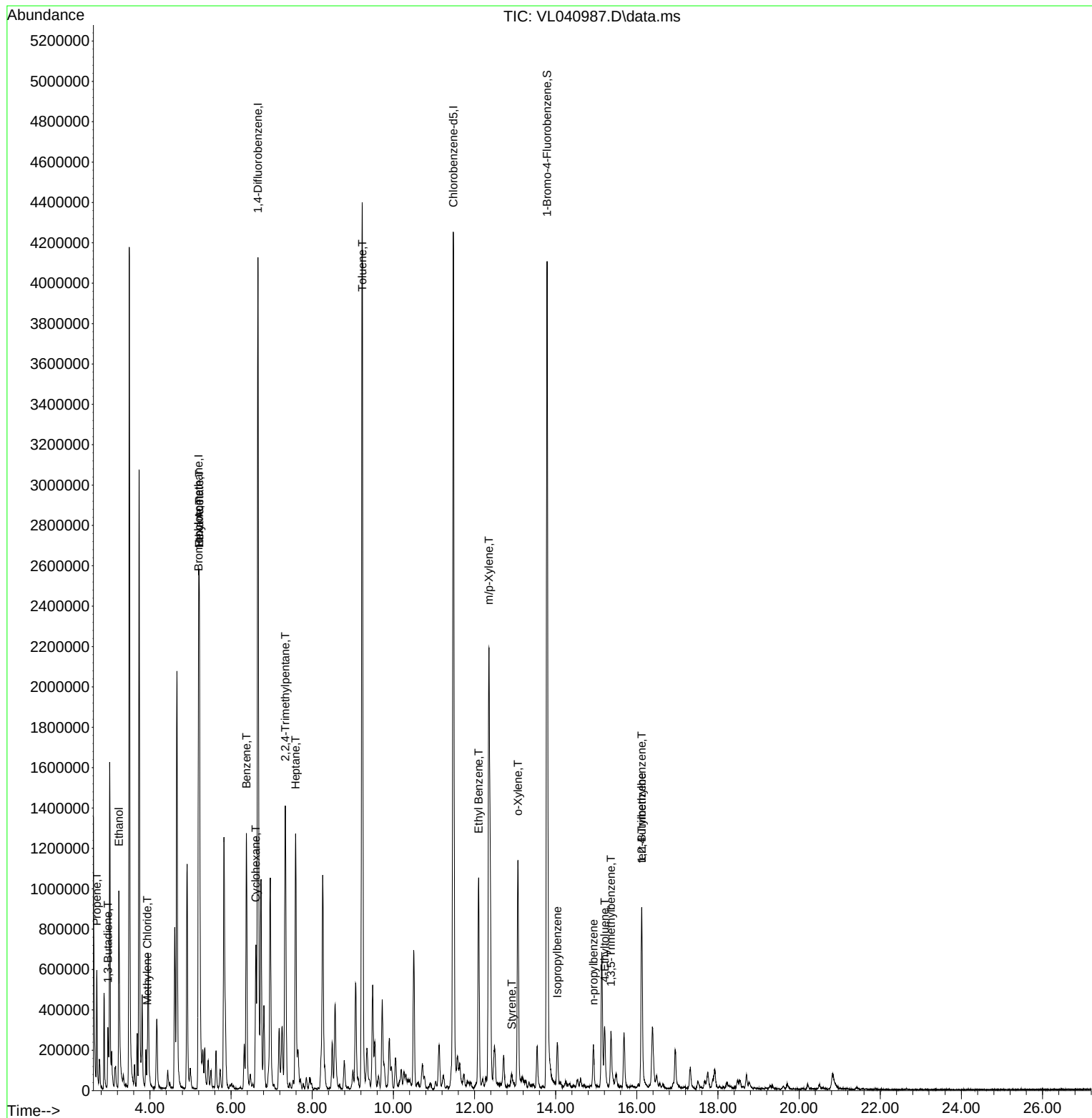
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
Data File : VL040987.D
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Misc : 400mL/MSVOA_L
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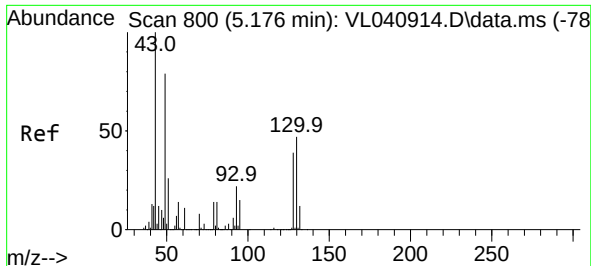
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Quant Time: Jan 17 00:26:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 17 00:20:56 2024
Response via : Initial Calibration

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APPROVED

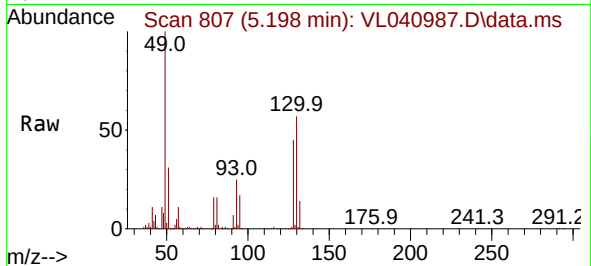
Reviewed By : Semsettin Yesilyurt 01/17/2024
Supervised By : Mahesh Dadoda 01/17/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

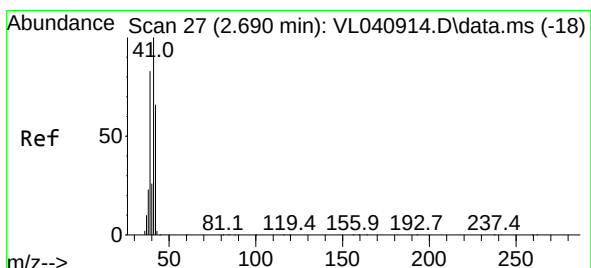
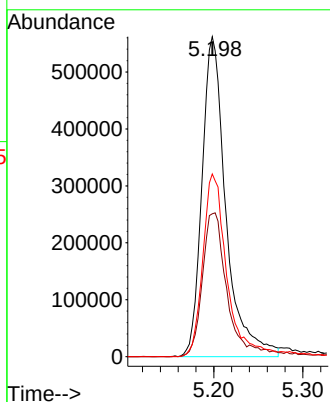
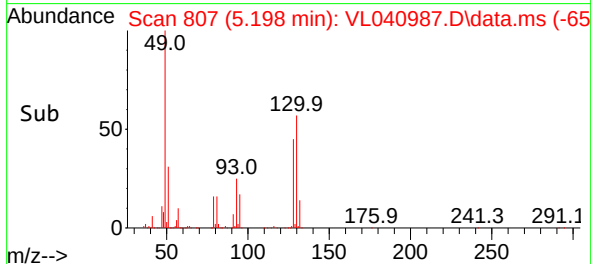
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



Tgt Ion: 49 Resp: 104936
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.2
130 58.8 30.1 90.5

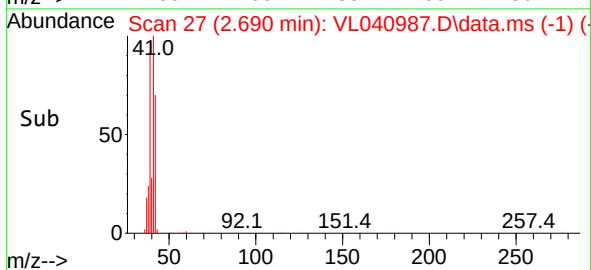
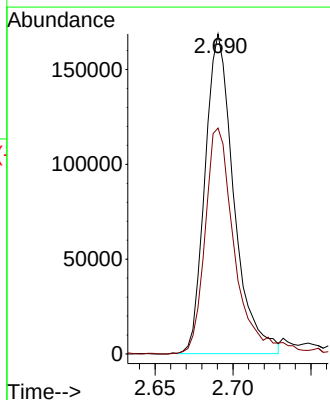
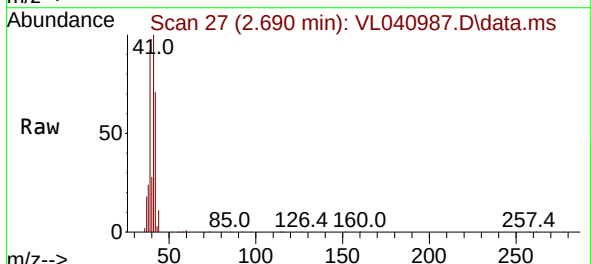
Manual Integrations
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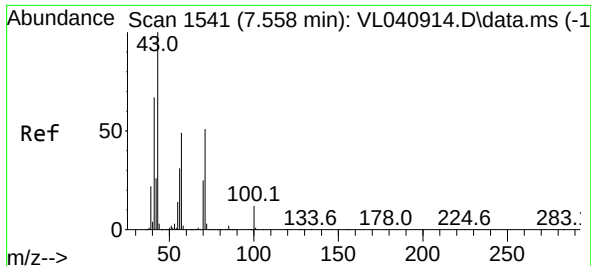
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#9
Propene
Concen: 4.157 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

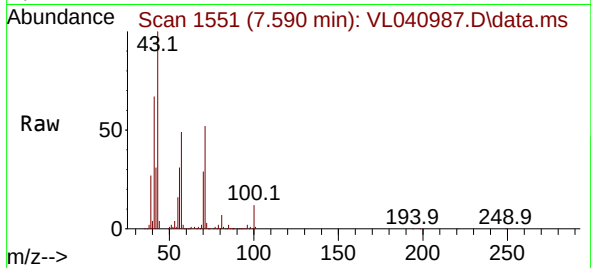
Tgt Ion: 41 Resp: 216611
Ion Ratio Lower Upper
41 100
42 74.6 55.8 83.6





#10
Heptane
Concen: 4.473 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

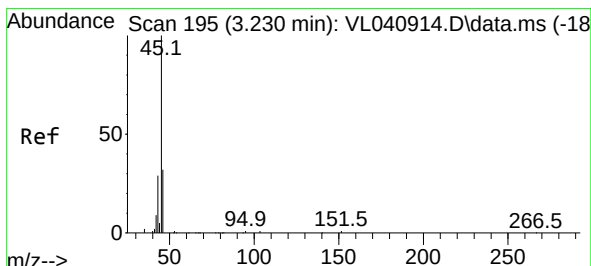
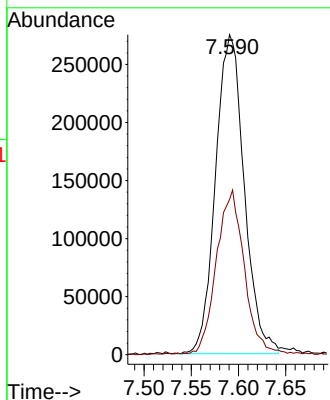
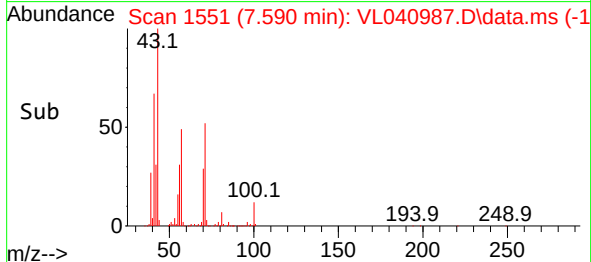
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



Tgt Ion: 43 Resp: 579329
Ion Ratio Lower Upper
43 100
57 50.9 39.3 58.9

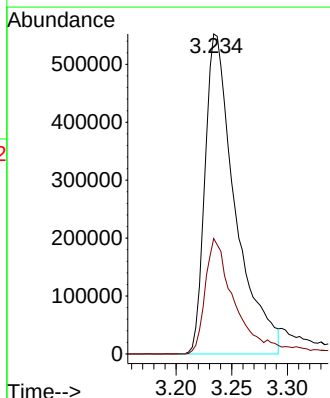
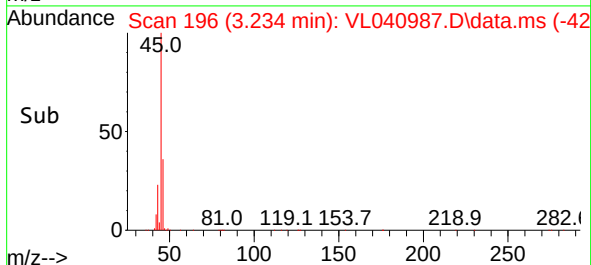
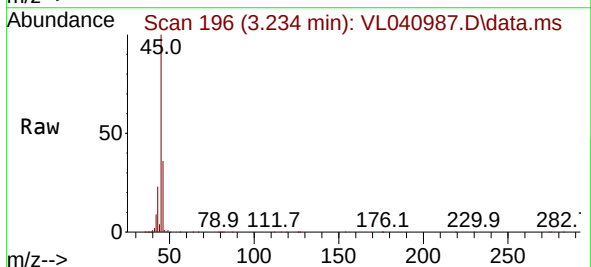
Manual Integrations
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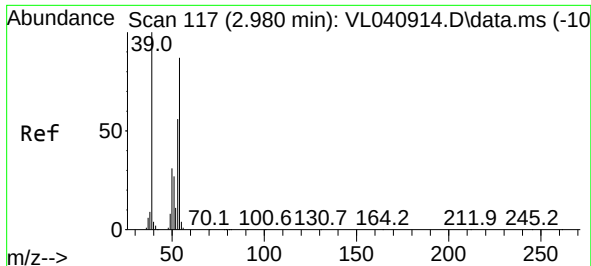
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#13
Ethanol
Concen: 79.306 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.006 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

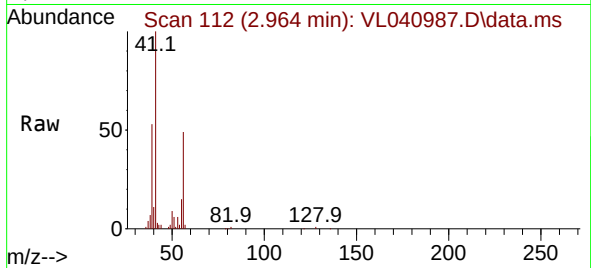
Tgt Ion: 45 Resp: 1042444
Ion Ratio Lower Upper
45 100
46 37.7 15.0 60.0





#16
1,3-Butadiene
Concen: 2.098 ppbv m
RT: 2.964 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

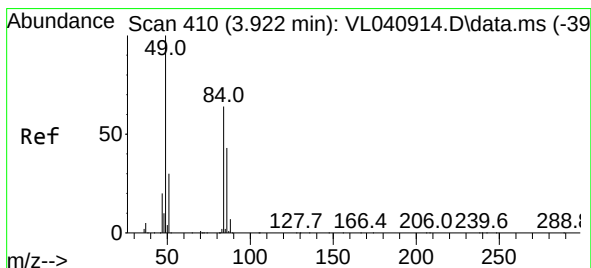
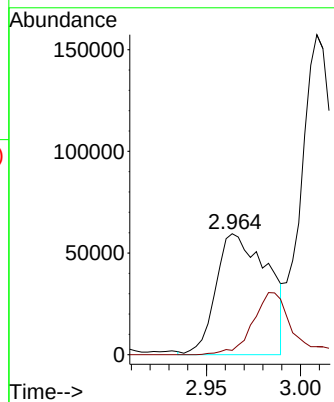
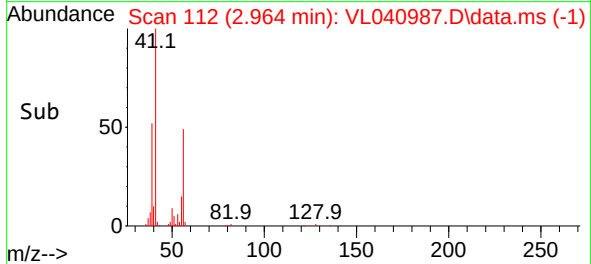
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



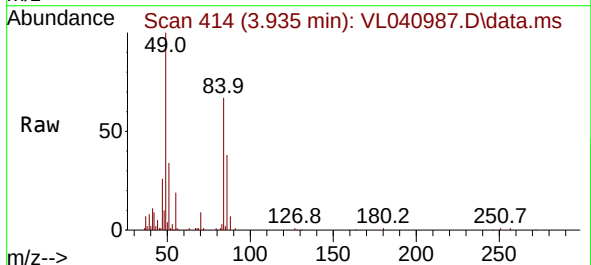
Tgt Ion: 39 Resp: 113682
Ion Ratio Lower Upper
39 100
54 40.8 63.8 95.6

Manual Integrations
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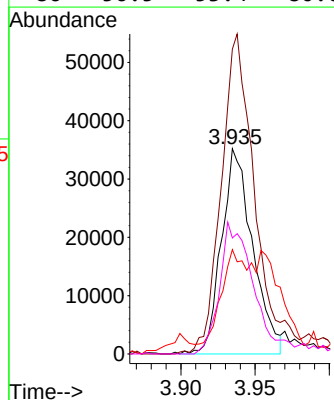
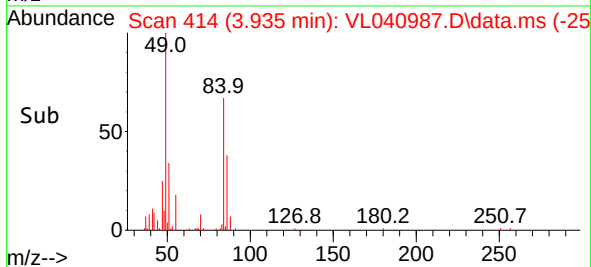
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

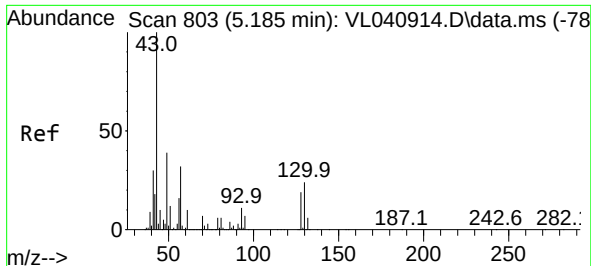


#20
Methylene Chloride
Concen: 1.146 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



Tgt Ion: 84 Resp: 51402
Ion Ratio Lower Upper
84 100
49 147.6 124.6 187.0
51 40.8 37.2 55.8
86 56.5 53.4 80.0





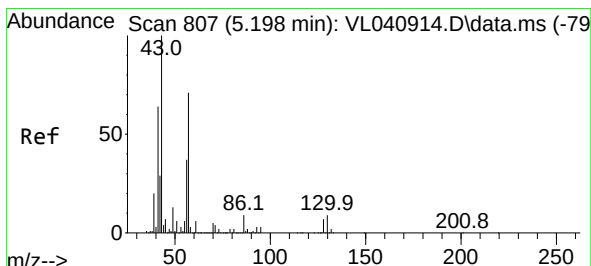
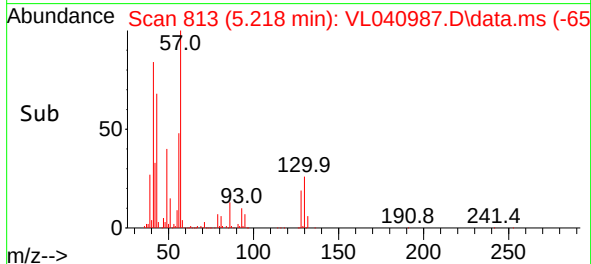
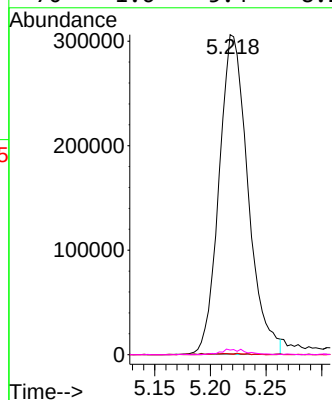
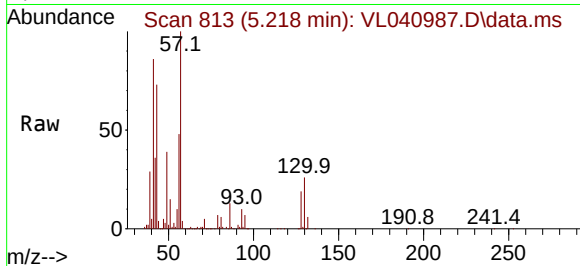
#25
Ethyl Acetate
Concen: 2.534 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 43 Resp: 55268
Ion Ratio Lower Upper
43 100
45 0.6 8.2 12.2
61 0.2 7.6 11.4
70 1.6 5.4 8.2

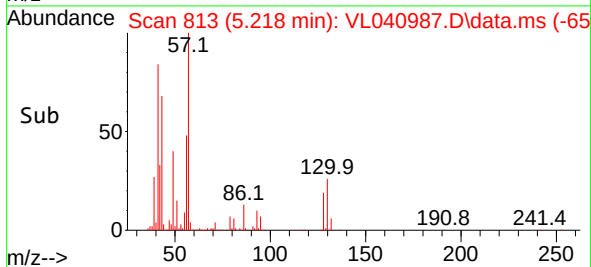
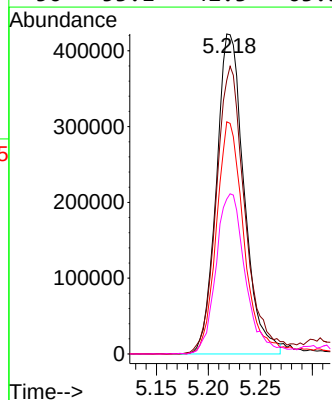
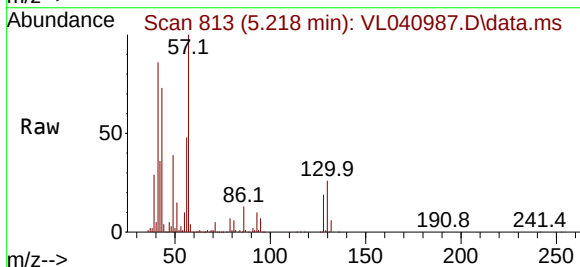
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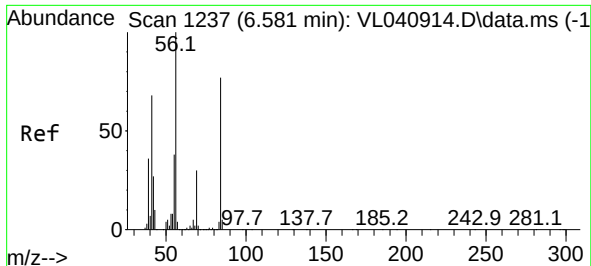
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#26
Hexane
Concen: 8.110 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

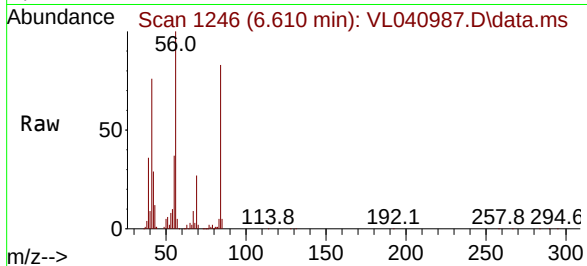
Tgt Ion: 57 Resp: 783842
Ion Ratio Lower Upper
57 100
41 93.5 75.2 112.8
43 74.0 188.0 282.0
56 53.1 42.3 63.5





#30
Cyclohexane
Concen: 3.070 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

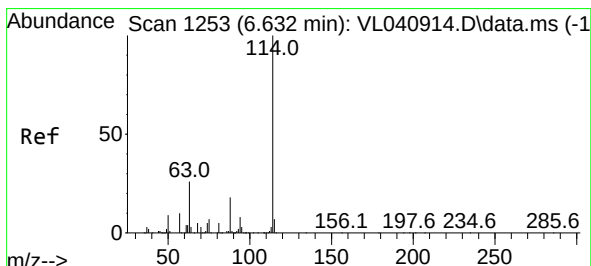
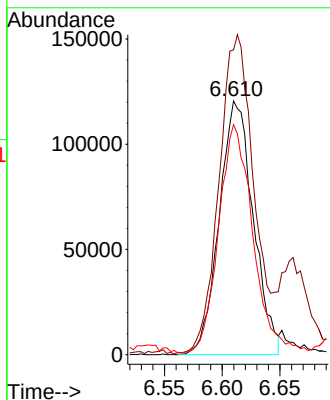
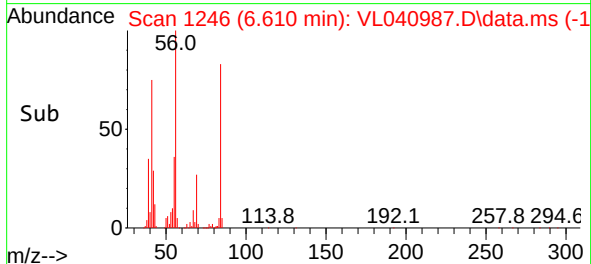
Instrument :
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OA1DL2



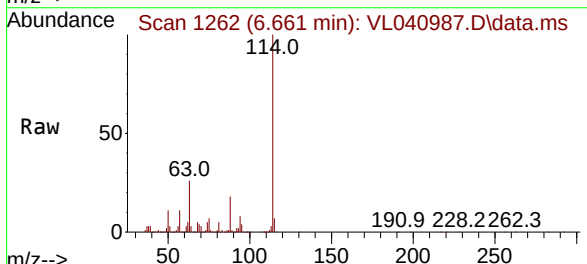
Tgt Ion: 84 Resp: 24735
Ion Ratio Lower Upper
84 100
56 158.2 111.4 167.2
41 89.6 70.0 105.0

Manual Integrations
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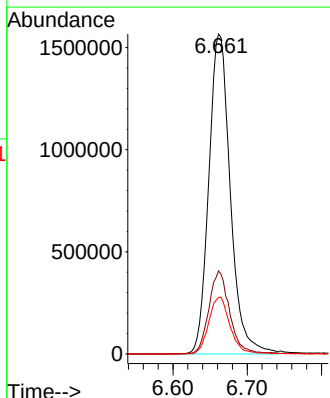
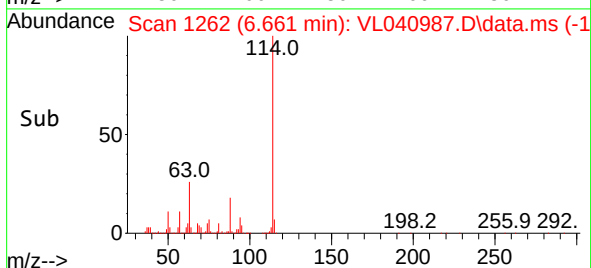
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

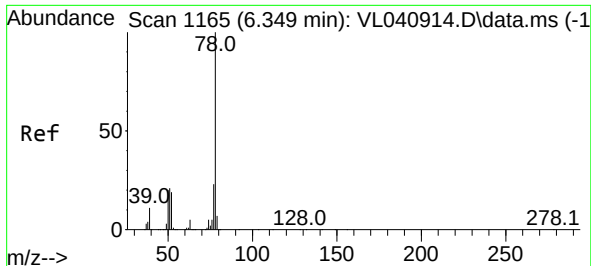


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



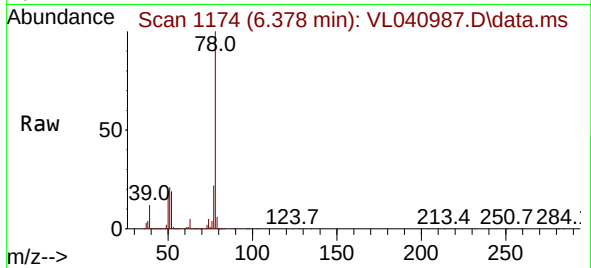
Tgt Ion:114 Resp: 3152274
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 17.7 14.3 21.5





#36
Benzene
Concen: 4.316 ppbv
RT: 6.378 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

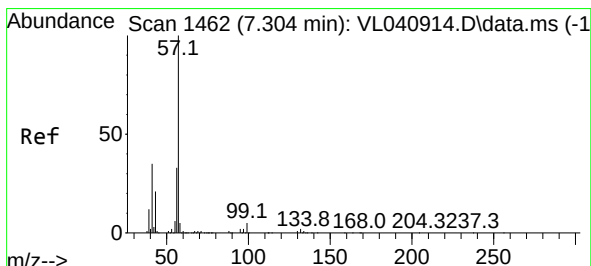
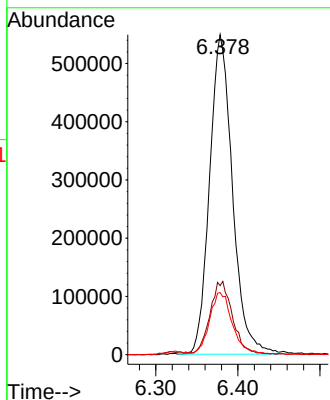
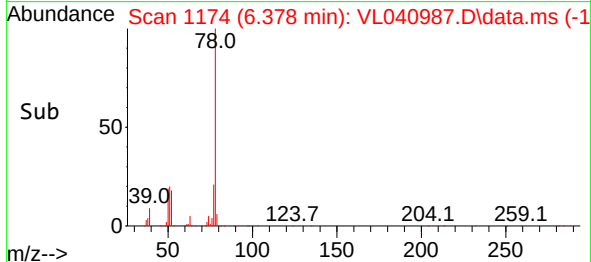
Instrument :
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ClientSampleId :
OA1DL2



Tgt Ion: 78 Resp: 106350
Ion Ratio Lower Upper
78 100
77 21.4 18.4 27.6
50 19.0 16.0 24.0

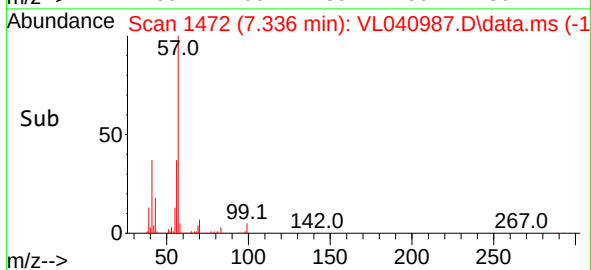
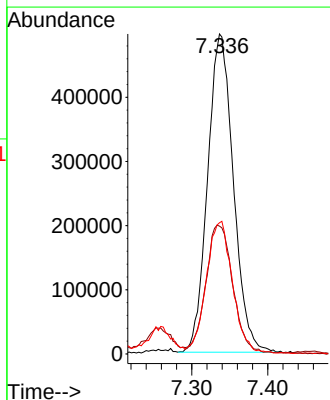
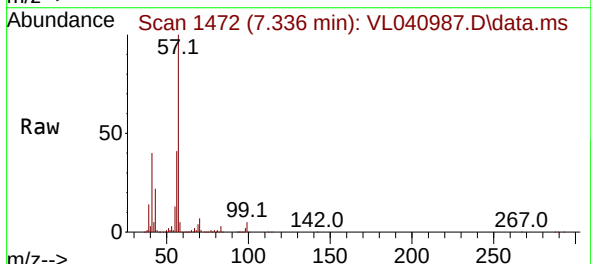
Manual Integrations
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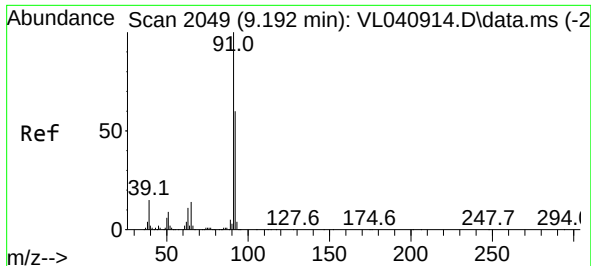
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#44
2,2,4-Trimethylpentane
Concen: 2.787 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

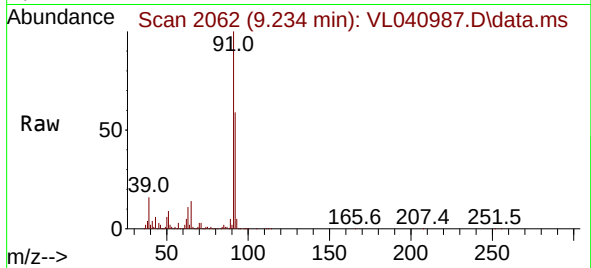
Tgt Ion: 57 Resp: 1166556
Ion Ratio Lower Upper
57 100
41 42.6 28.2 42.4#
56 42.7 25.3 37.9#





#53
Toluene
Concen: 12.256 ppbv
RT: 9.234 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

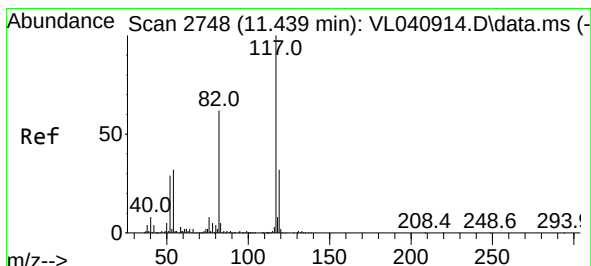
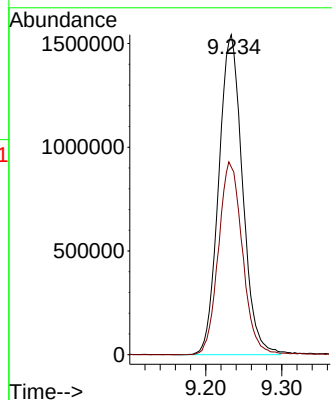
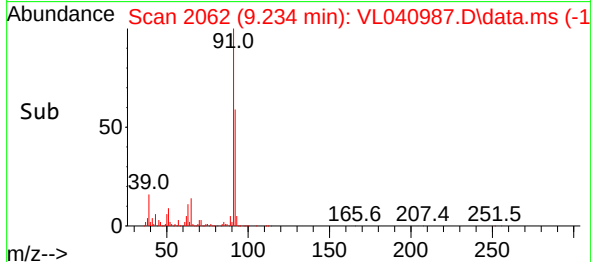
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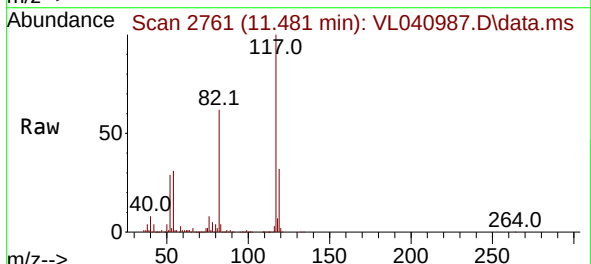
Tgt Ion: 91 Resp: 3348924
Ion Ratio Lower Upper
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92 61.1 49.2 73.8

Manual Integrations
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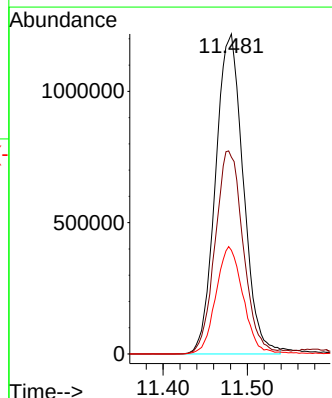
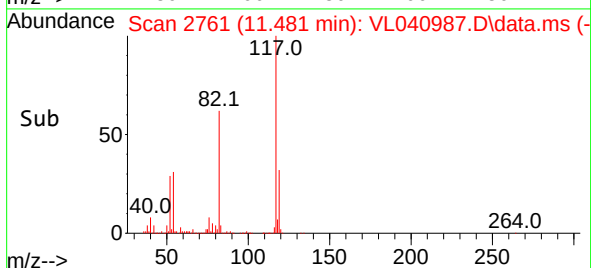
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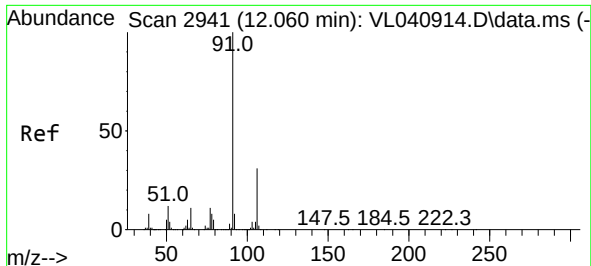


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



Tgt Ion:117 Resp: 2784542
Ion Ratio Lower Upper
117 100
82 64.8 49.6 74.4
119 33.1 23.4 35.0





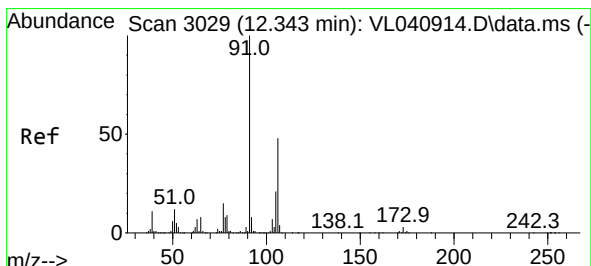
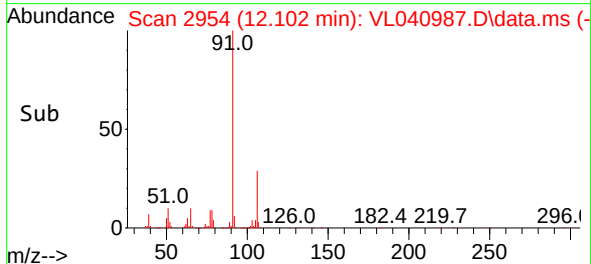
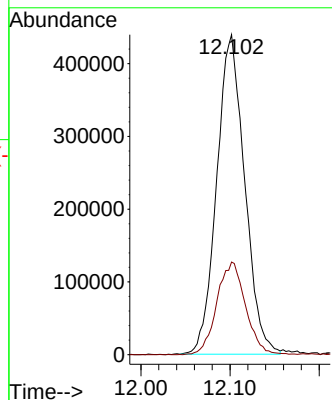
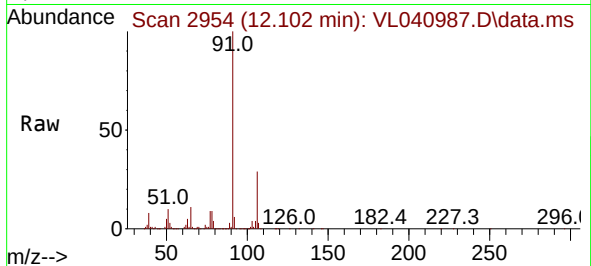
#58
Ethyl Benzene
Concen: 2.678 ppbv
RT: 12.102 min Scan# 2941
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 91 Resp: 95772
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3

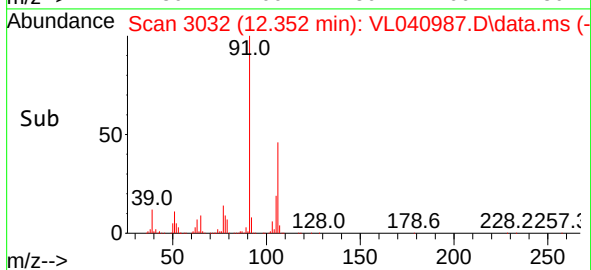
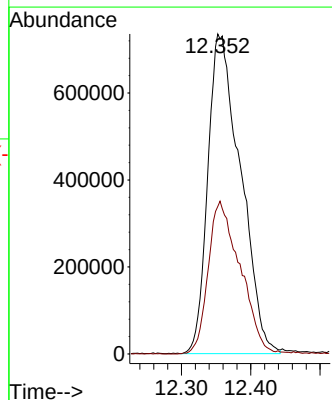
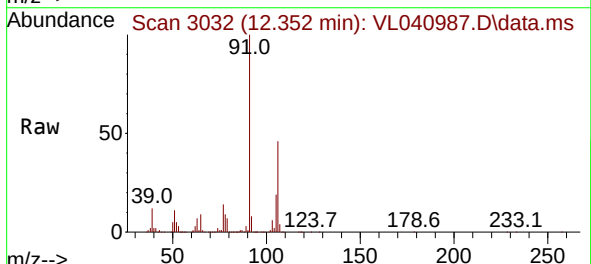
Manual Integrations
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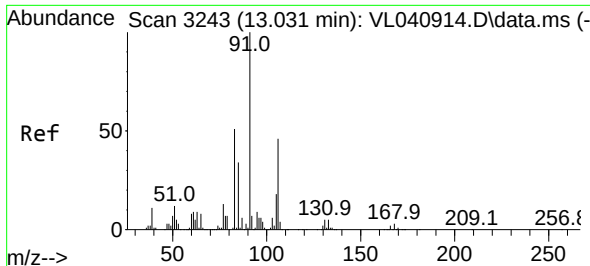
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#59
m/p-Xylene
Concen: 7.915 ppbv
RT: 12.352 min Scan# 3032
Delta R.T. -0.032 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

Tgt Ion: 91 Resp: 2407849
Ion Ratio Lower Upper
91 100
106 47.2 0.0 0.0#





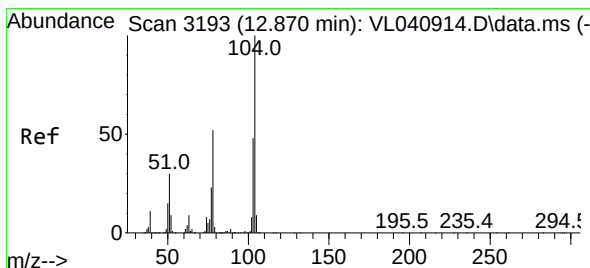
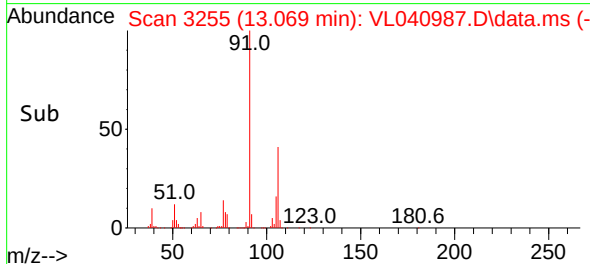
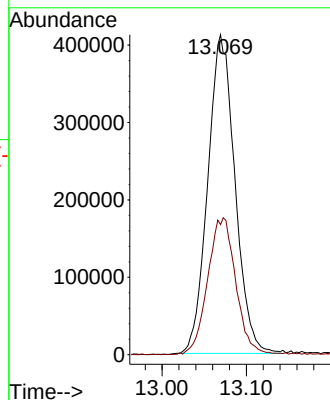
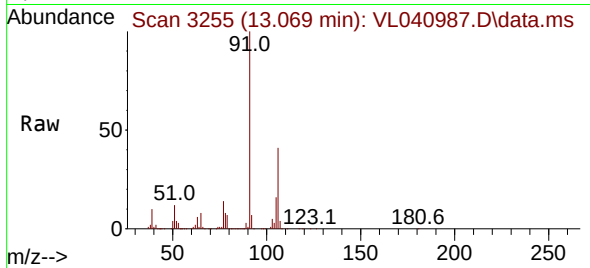
#60
o-Xylene
Concen: 3.228 ppbv
RT: 13.069 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 91 Resp: 92530
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.7

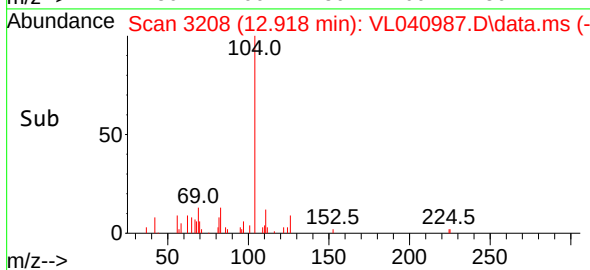
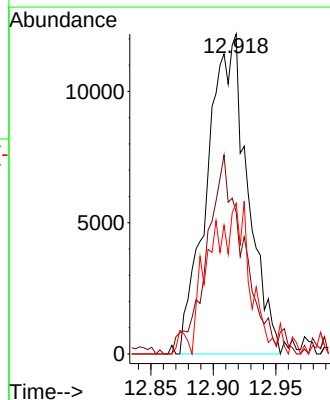
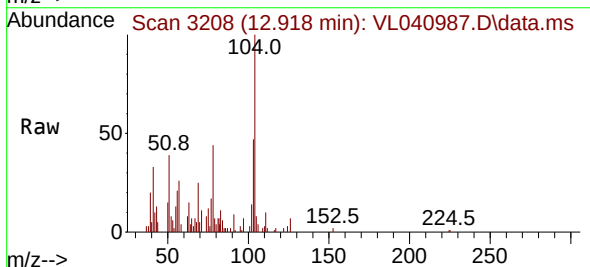
Manual Integrations
APPROVED

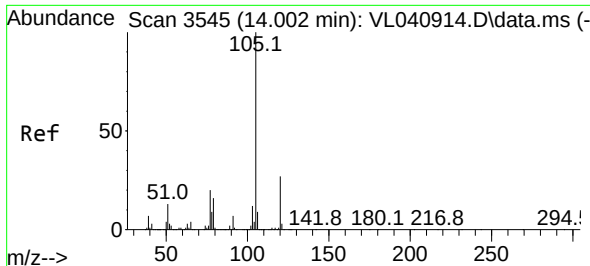
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#61
Styrene
Concen: 0.202 ppbv m
RT: 12.918 min Scan# 3208
Delta R.T. 0.007 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

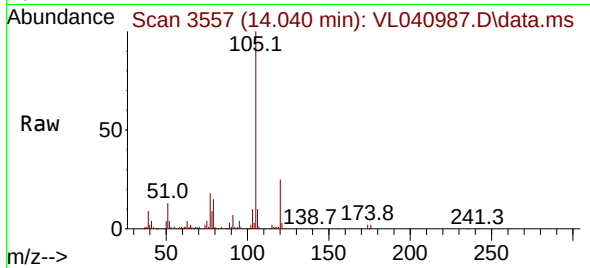
Tgt Ion:104 Resp: 27457
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 49.9 37.6 56.4





#62
Isopropylbenzene
Concen: 0.458 ppbv
RT: 14.040 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

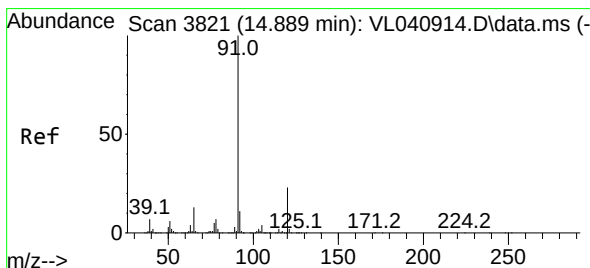
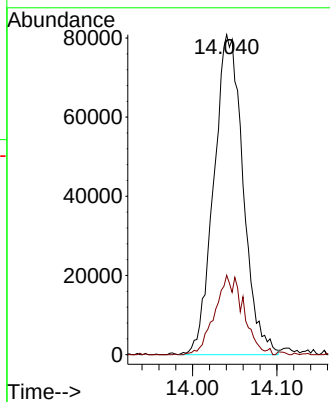
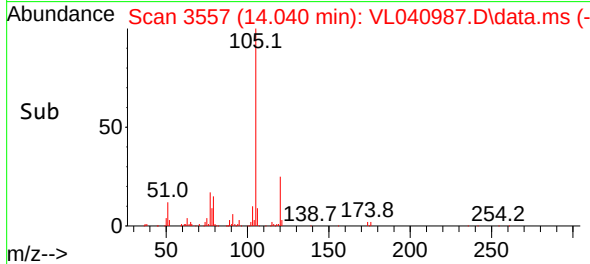
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



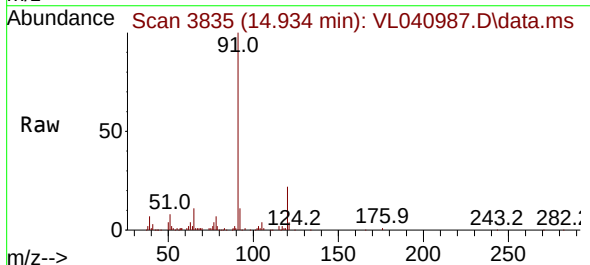
Tgt Ion:105 Resp: 194780
Ion Ratio Lower Upper
105 100
120 24.8 20.7 31.1

Manual Integrations
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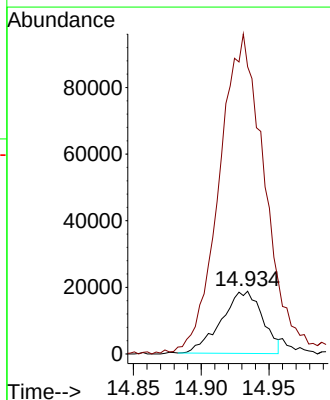
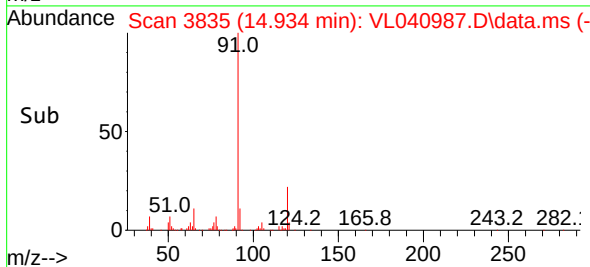
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

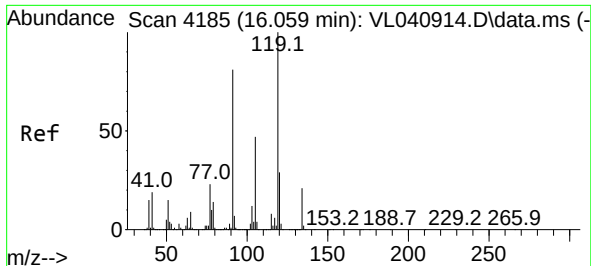


#64
n-propylbenzene
Concen: 0.371 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



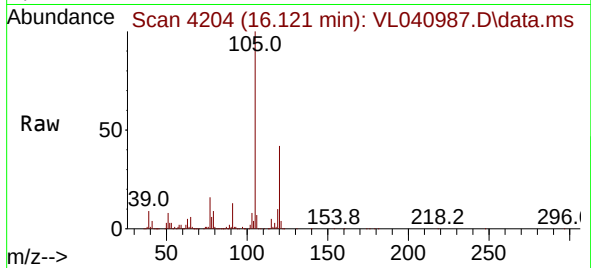
Tgt Ion:120 Resp: 39532
Ion Ratio Lower Upper
120 100
91 579.5 381.9 572.9#





#65
tert-Butylbenzene
Concen: 0.209 ppbv m
RT: 16.121 min Scan# 4185
Delta R.T. 0.016 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

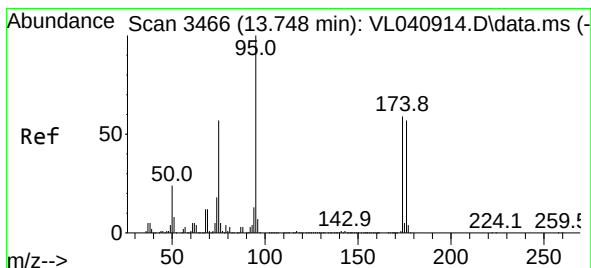
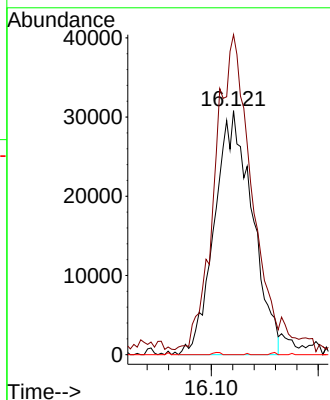
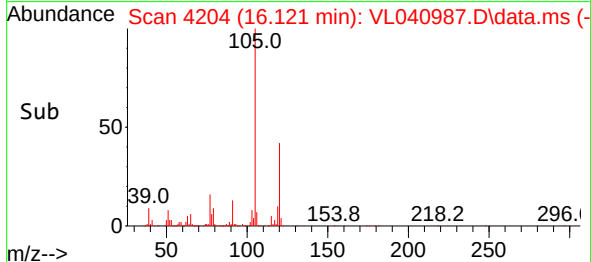
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



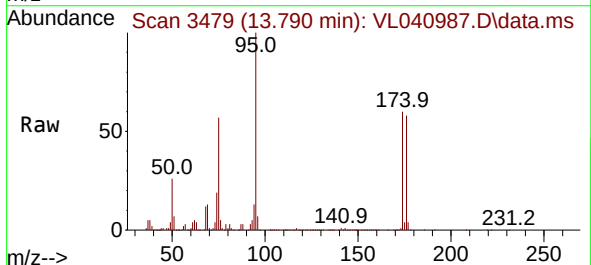
Tgt Ion: 119 Resp: 7554
Ion Ratio Lower Upper
119 100
91 0.0 67.2 100.8
134 0.2 15.8 23.6

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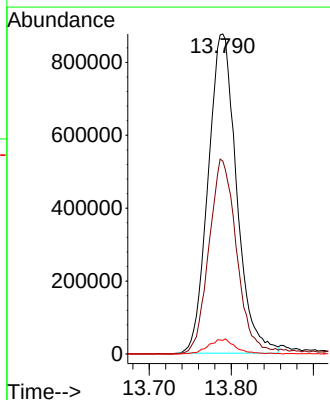
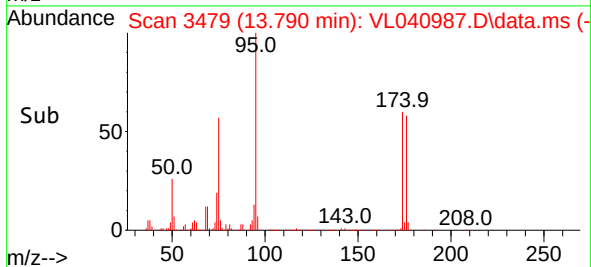
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

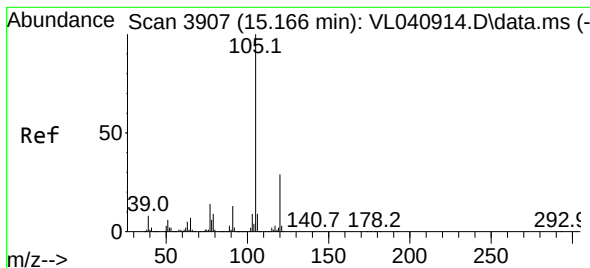


#68
1-Bromo-4-Fluorobenzene
Concen: 10.283 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



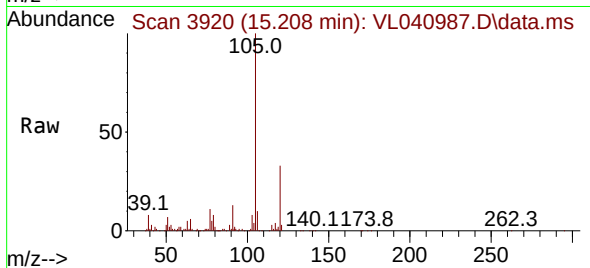
Tgt Ion: 95 Resp: 2109174
Ion Ratio Lower Upper
95 100
174 61.7 48.0 72.0
175 4.5 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.835 ppbv
RT: 15.208 min Scan# 3907
Delta R.T. 0.003 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12

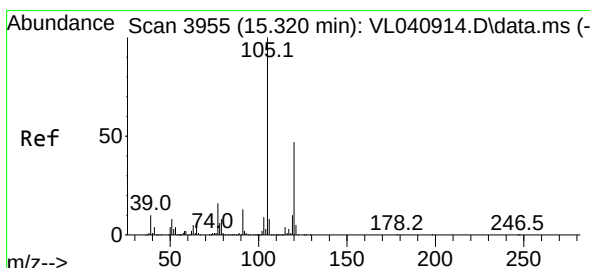
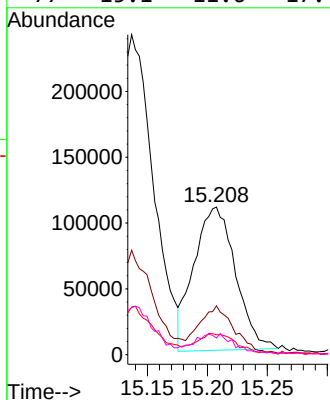
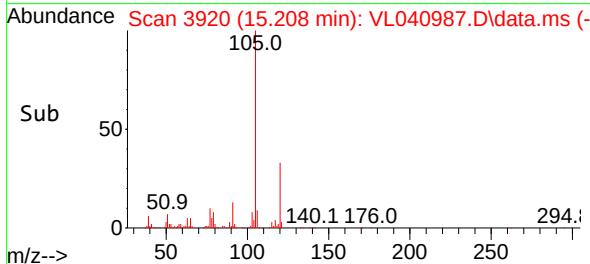
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



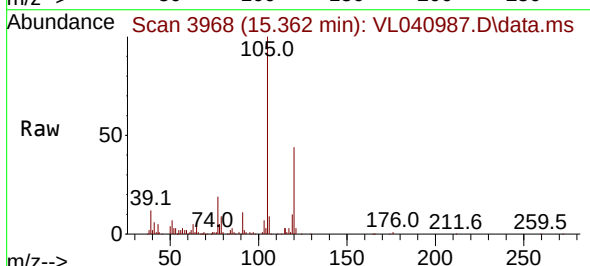
Tgt Ion:105 Resp: 262629
Ion Ratio Lower Upper
105 100
120 30.7 23.8 35.8
91 13.8 10.9 16.3
77 15.1 11.6 17.4

Manual Integrations
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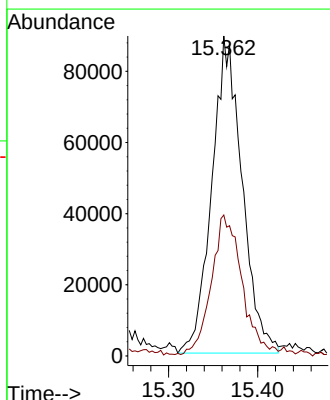
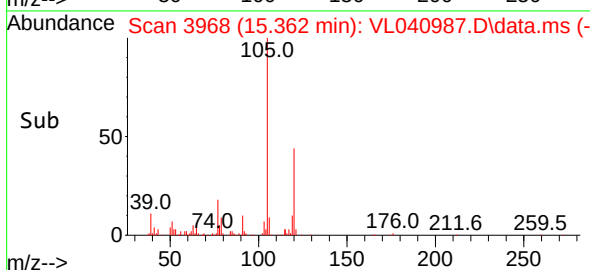
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

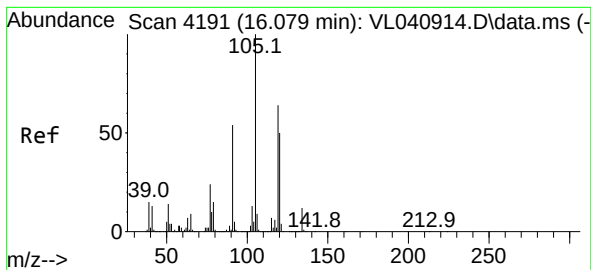


#73
1,3,5-Trimethylbenzene
Concen: 0.774 ppbv
RT: 15.362 min Scan# 3968
Delta R.T. 0.000 min
Lab File: VL040987.D
Acq: 16 Jan 2024 15:12



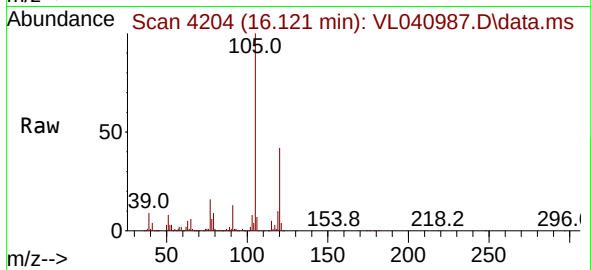
Tgt Ion:105 Resp: 210253
Ion Ratio Lower Upper
105 100
120 43.7 37.8 56.8





#74
 1,2,4-Trimethylbenzene
 Concen: 2.466 ppbv
 RT: 16.121 min Scan# 4191
 Delta R.T. 0.000 min
 Lab File: VL040987.D
 Acq: 16 Jan 2024 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL2



Tgt Ion:	105	Resp:	745139
Ion Ratio	Lower	Upper	
105	100		
120	42.0	40.2	60.4
91	13.1	43.0	64.6
77	15.8	18.9	28.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/17/2024
 Supervised By :Mahesh Dadoda 01/17/2024

