

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040344.D
 Acq On : 12 Apr 2023 18:30
 Operator : SY/MD
 Sample : 02311-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:40:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1051080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2695907	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2584266	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2133887	9.860	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
9) Propene	2.697	41	561319m	11.086	ppbv	
10) Heptane	7.591	43	1532698	12.585	ppbv	98
13) Ethanol	3.247	45	36084m	9.717	ppbv	
19) Isopropyl Alcohol	3.591	45	13495m	0.220	ppbv	
20) Methylene Chloride	3.928	84	31286	0.581	ppbv #	89
26) Hexane	5.214	57	2134230	21.703	ppbv #	35
34) 2-Butanone	4.809	43	18777m	0.141	ppbv	
36) Benzene	6.375	78	39689m	0.193	ppbv	
52) Tetrachloroethene	10.635	164	32458m	0.522	ppbv	
53) Toluene	9.230	91	107620	0.500	ppbv	99
59) m/p-Xylene	12.362	91	39250m	0.146	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	61690	0.212	ppbv #	64

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

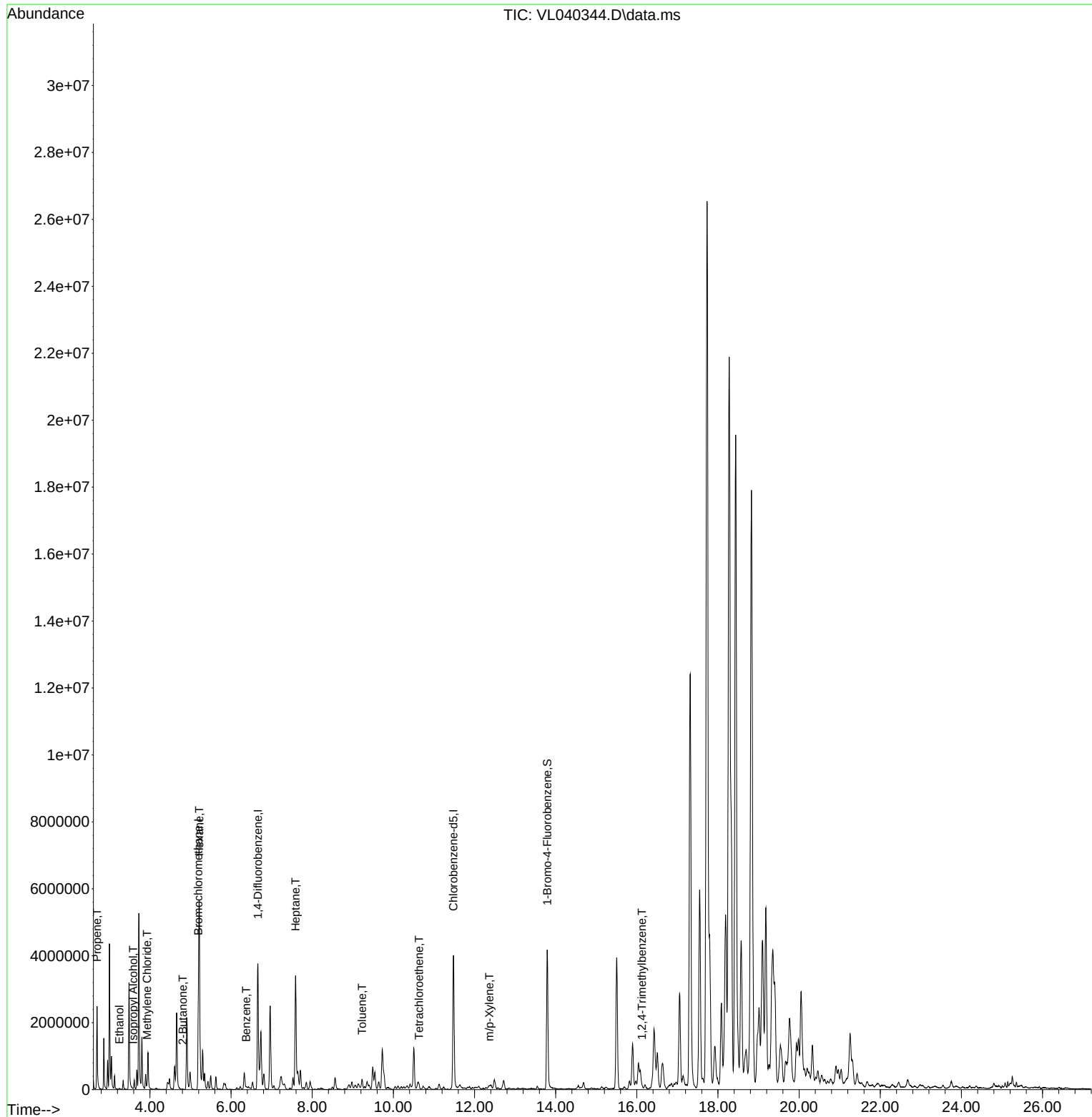
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
Data File : VL040344.D
Acq On : 12 Apr 2023 18:30
Operator : SY/MD
Sample : 02311-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

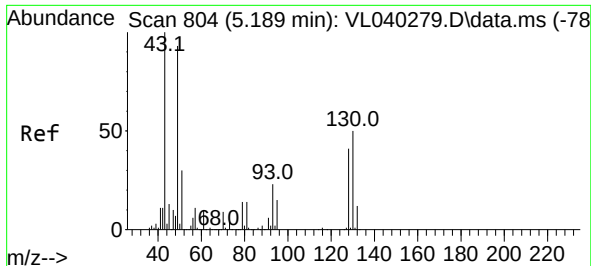
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Apr 13 05:40:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

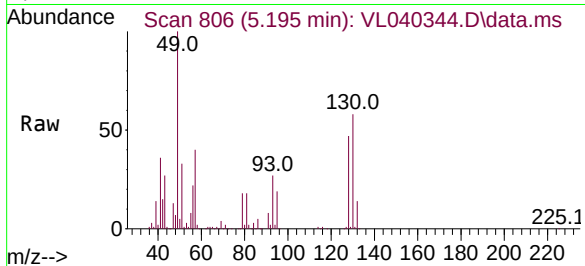
Reviewed By : Semsettin Yesilyurt 04/13/2023
Supervised By : Mahesh Dadoda 04/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

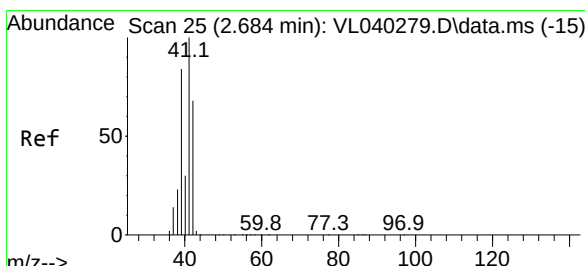
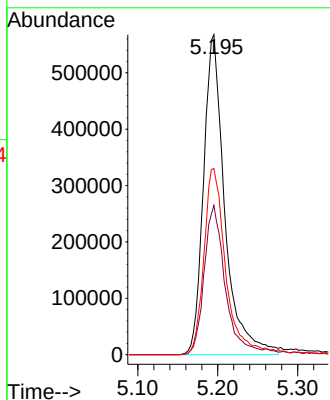
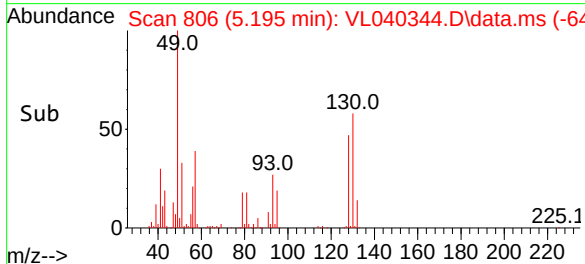
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 1051080
Ion Ratio Lower Upper
49 100
128 48.3 22.4 67.3
130 61.9 28.7 86.1

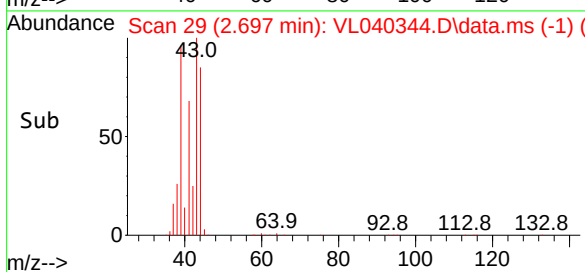
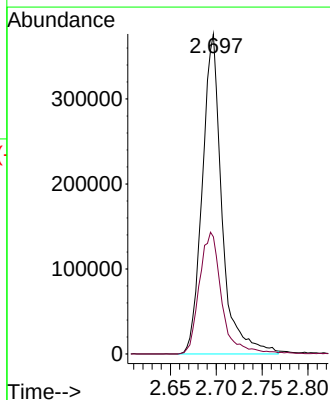
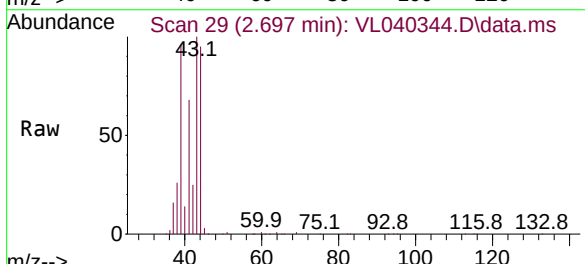
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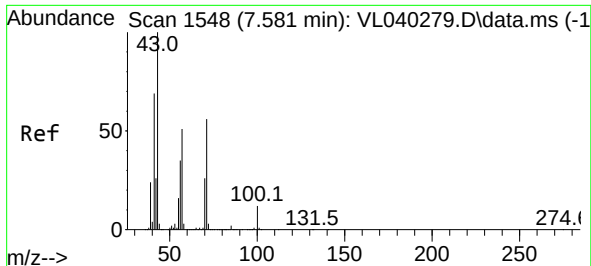
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#9
Propene
Concen: 11.086 ppbv m
RT: 2.697 min Scan# 29
Delta R.T. 0.013 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

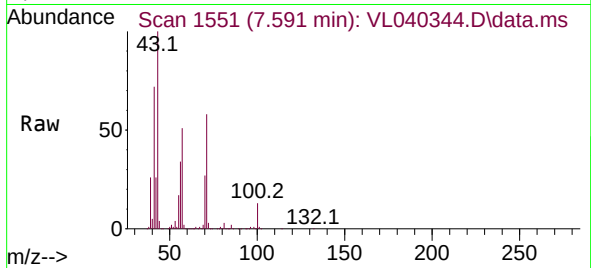
Tgt Ion: 41 Resp: 561319
Ion Ratio Lower Upper
41 100
42 47.8 59.0 88.4#





#10
Heptane
Concen: 12.585 ppbv
RT: 7.591 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

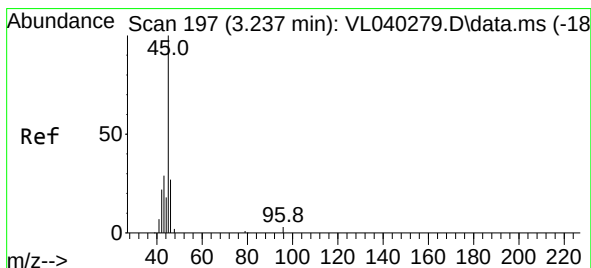
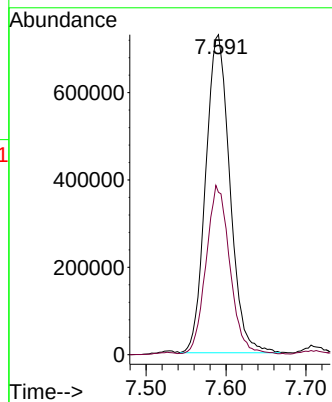
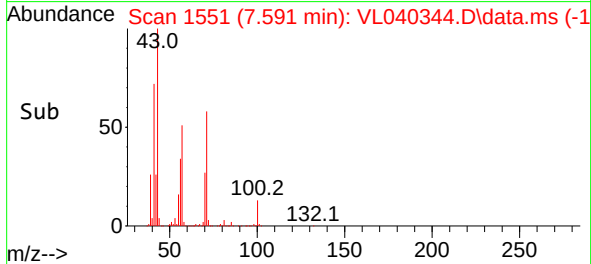
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1532698
Ion Ratio Lower Upper
43 100
57 53.5 41.7 62.5

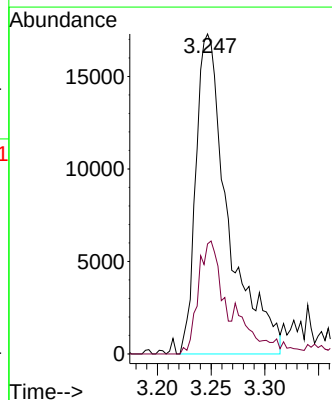
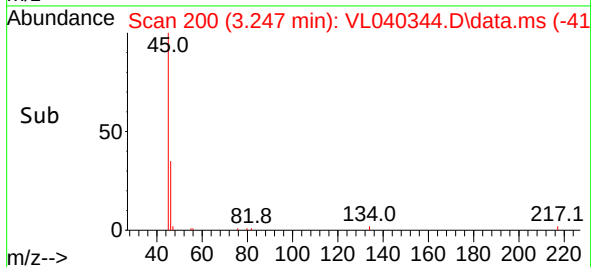
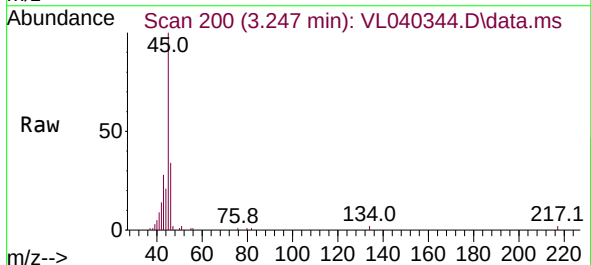
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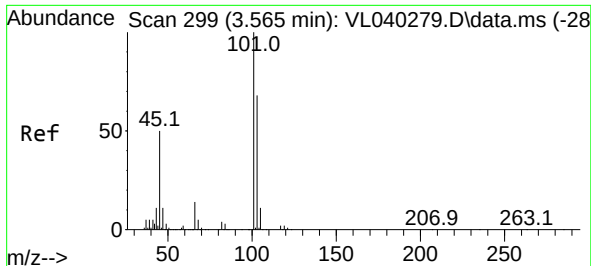
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#13
Ethanol
Concen: 9.717 ppbv m
RT: 3.247 min Scan# 200
Delta R.T. 0.010 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

Tgt Ion: 45 Resp: 36084
Ion Ratio Lower Upper
45 100
46 35.6 15.0 60.2





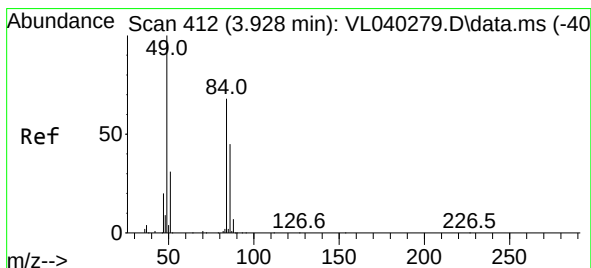
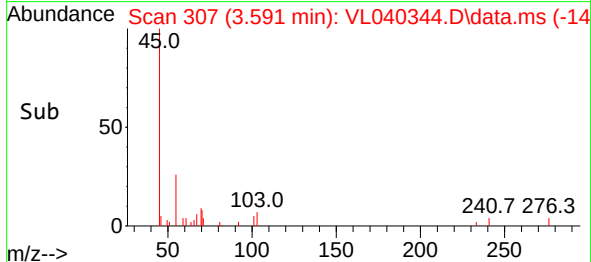
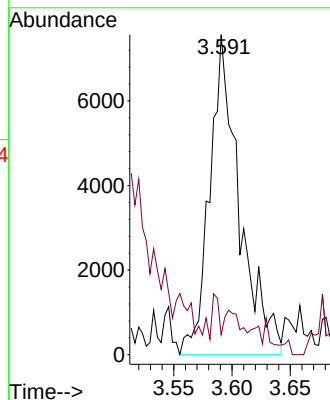
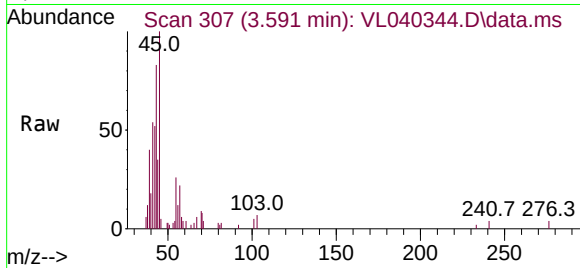
#19
Isopropyl Alcohol
Concen: 0.220 ppbv m
RT: 3.591 min Scan# 307
Delta R.T. 0.026 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 1349
Ion Ratio Lower Upper
45 100
58 0.0 2.7 4.1

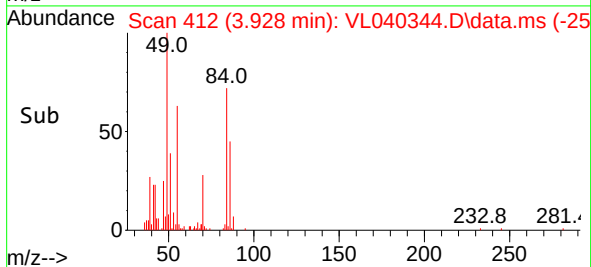
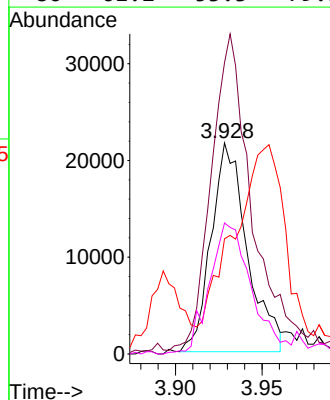
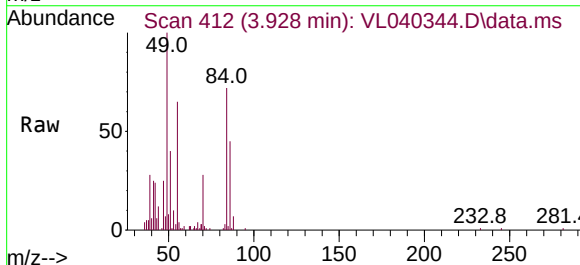
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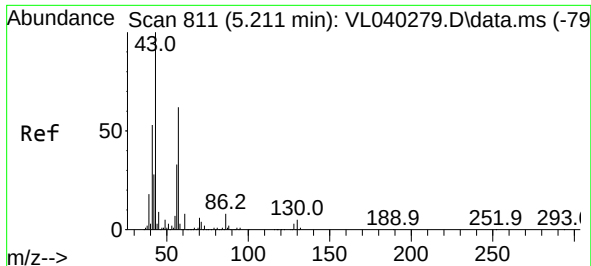
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#20
Methylene Chloride
Concen: 0.581 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

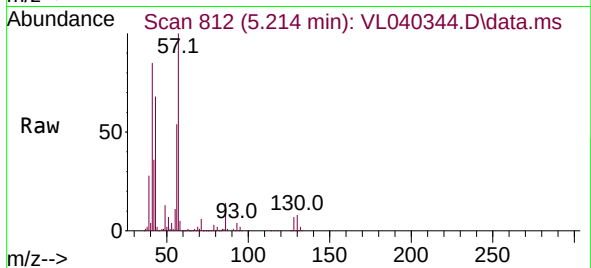
Tgt Ion: 84 Resp: 31286
Ion Ratio Lower Upper
84 100
49 135.1 117.5 176.3
51 33.2 36.9 55.3#
86 61.2 53.3 79.9





#26
Hexane
Concen: 21.703 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

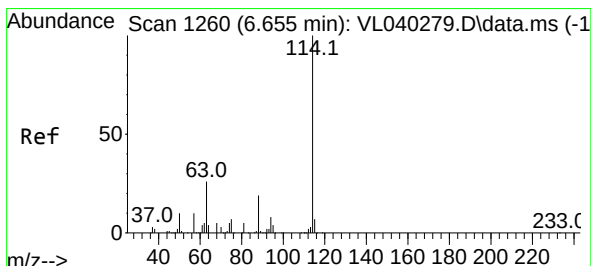
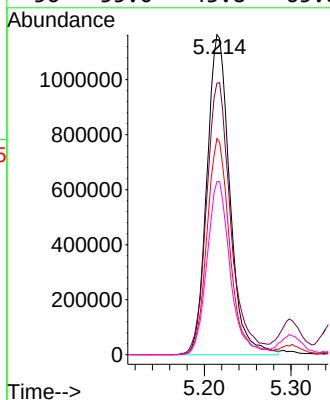
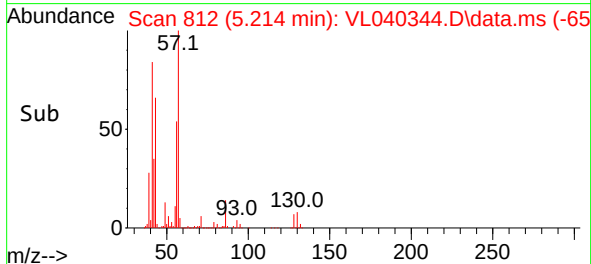
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 2134230
Ion Ratio Lower Upper
57 100
41 90.9 73.5 110.3
43 67.5 196.3 294.5
56 55.0 43.8 65.8

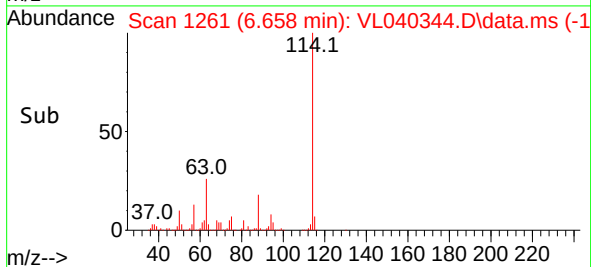
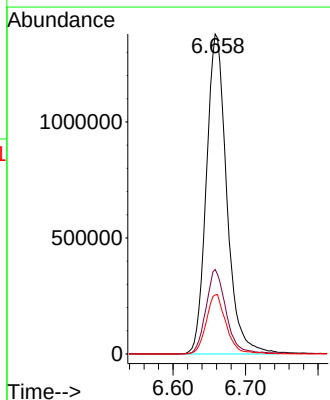
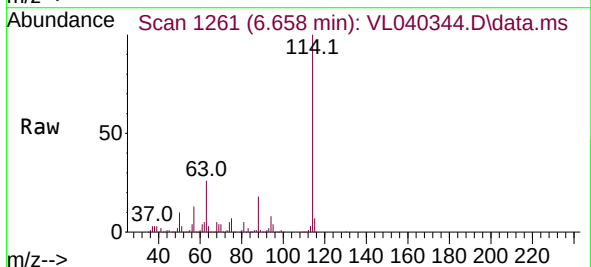
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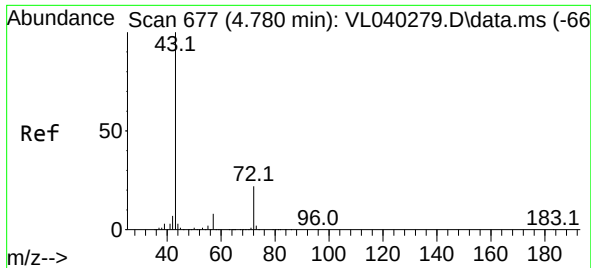
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

Tgt Ion:114 Resp: 2695907
Ion Ratio Lower Upper
114 100
63 26.4 21.2 31.8
88 18.3 14.5 21.7





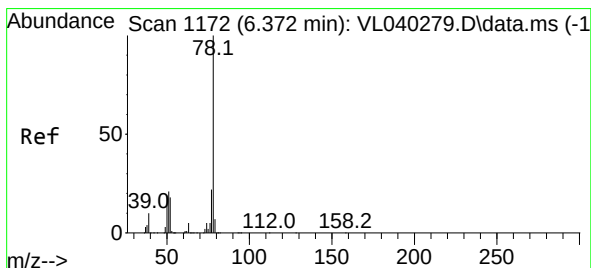
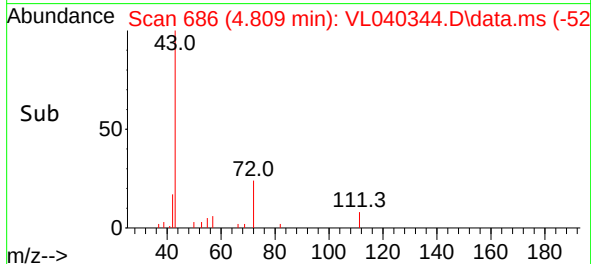
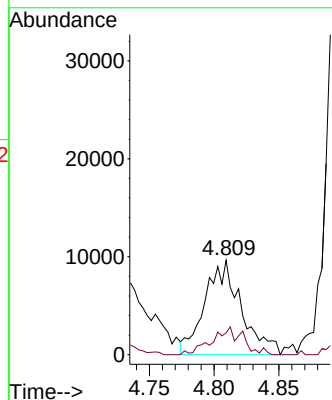
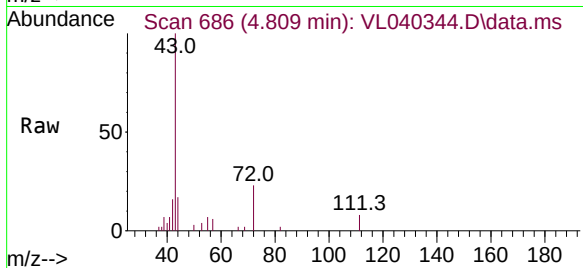
#34
2-Butanone
Concen: 0.141 ppbv m
RT: 4.809 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
72 127.5 18.3 27.5

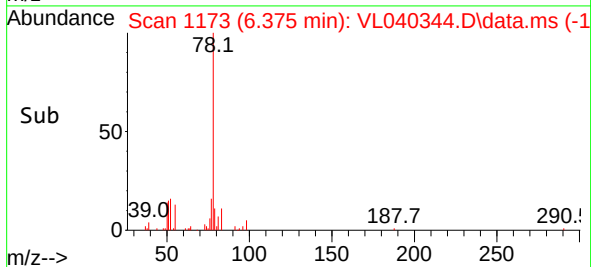
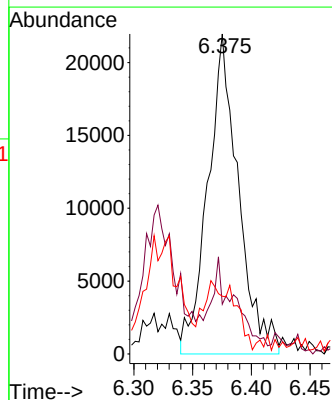
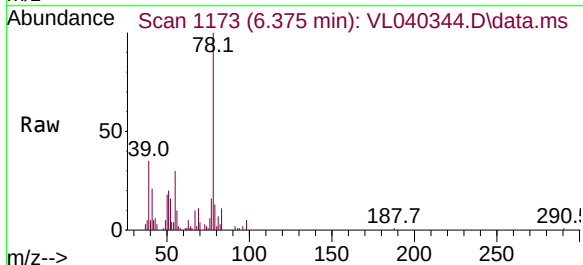
Manual Integrations
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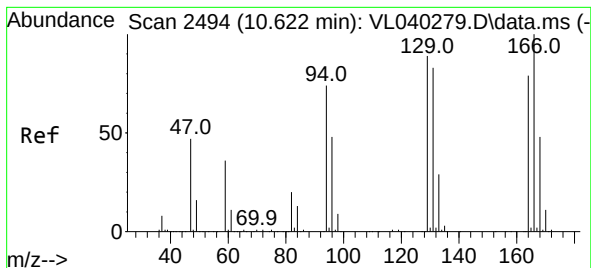
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#36
Benzene
Concen: 0.193 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

Tgt Ion: 78 Resp: 39689
Ion Ratio Lower Upper
78 100
77 15.5 17.8 26.8#
50 18.1 15.4 23.2





#52

Tetrachloroethene

Concen: 0.522 ppbv m

RT: 10.635 min Scan# 2498

Delta R.T. 0.013 min

Lab File: VL040344.D

Acq: 12 Apr 2023 18:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:164 Resp: 32458

Ion Ratio Lower Upper

164 100

166 98.0 101.8 152.6

129 93.7 90.2 135.2

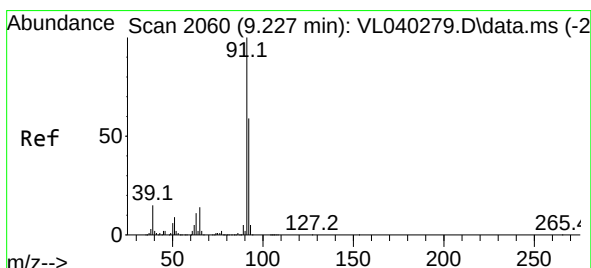
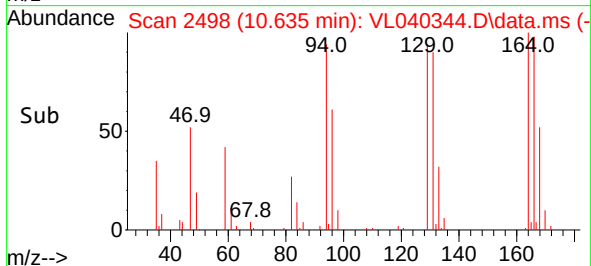
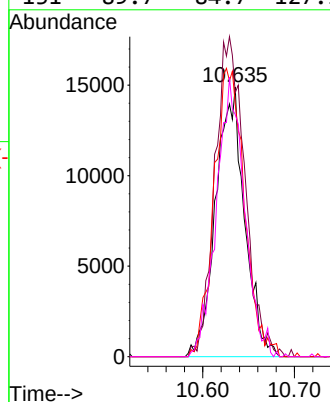
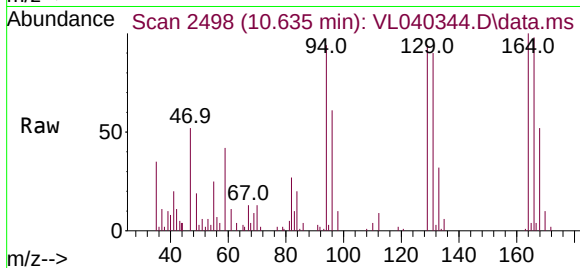
131 89.7 84.7 127.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#53

Toluene

Concen: 0.500 ppbv

RT: 9.230 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VL040344.D

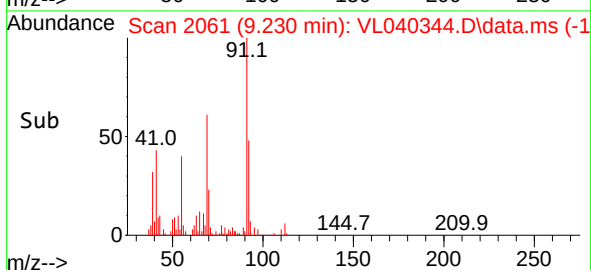
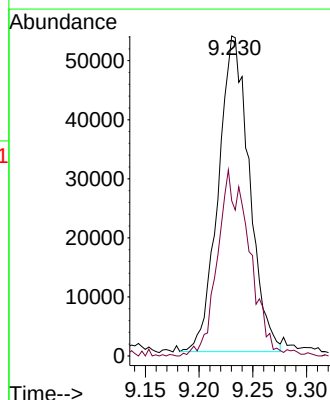
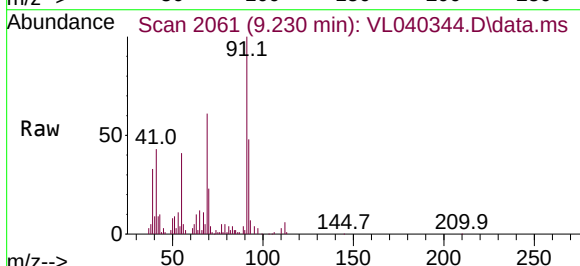
Acq: 12 Apr 2023 18:30

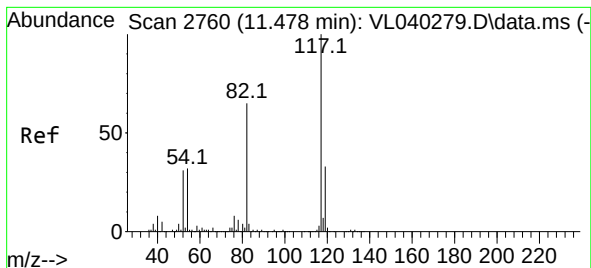
Tgt Ion: 91 Resp: 107620

Ion Ratio Lower Upper

91 100

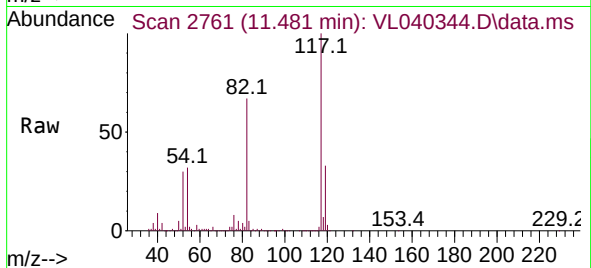
92 61.0 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

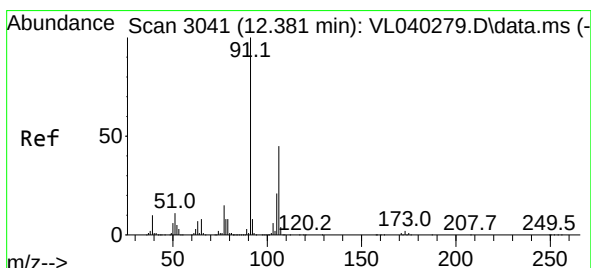
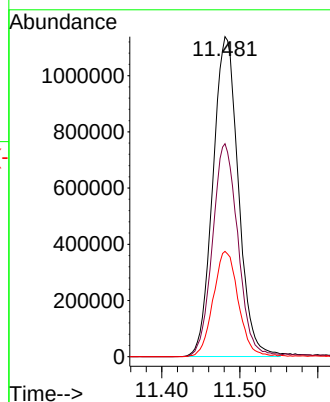
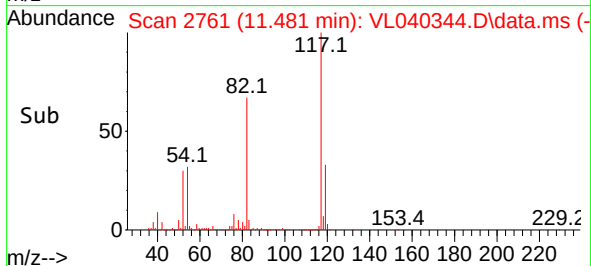
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 258426
Ion Ratio Lower Upper
117 100
82 67.8 51.4 77.2
119 32.7 24.0 36.0

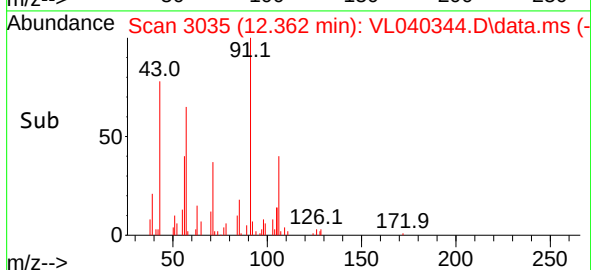
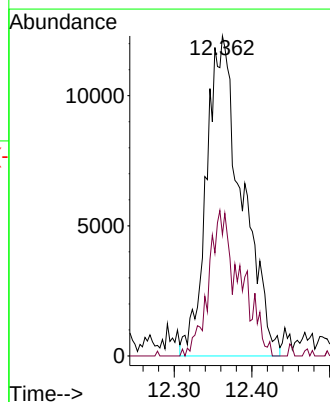
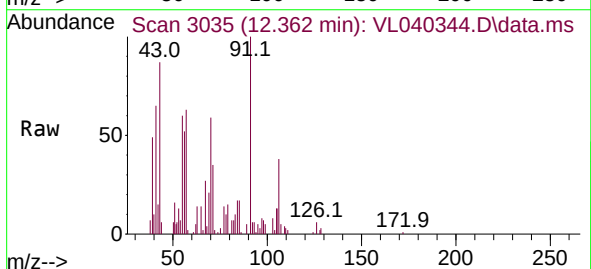
Manual Integrations
APPROVED

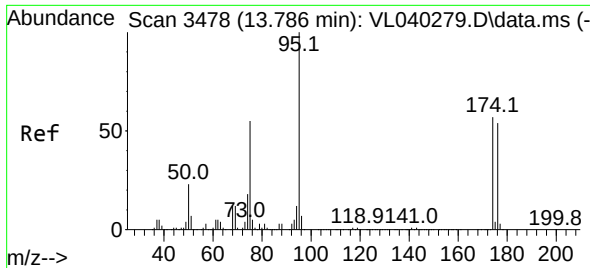
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#59
m/p-Xylene
Concen: 0.146 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.019 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

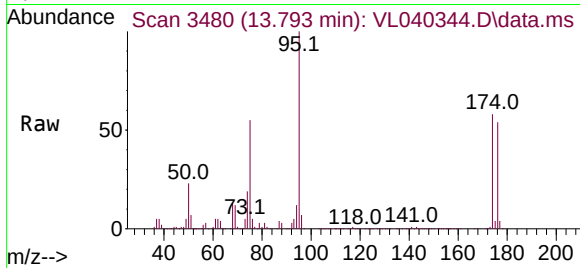
Tgt Ion: 91 Resp: 39250
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.860 ppbv
RT: 13.793 min Scan# 3478
Delta R.T. 0.007 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30

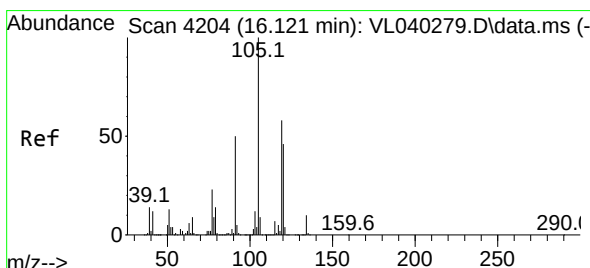
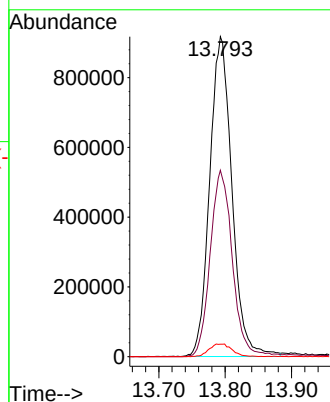
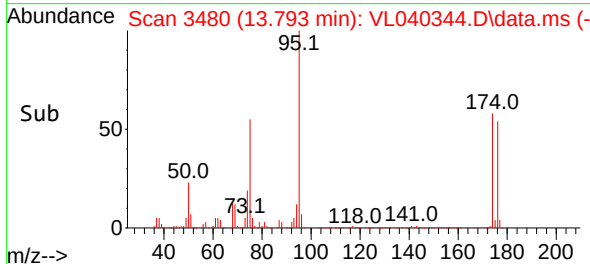
Instrument :
MSVOA_L
ClientSampleId :
SV1



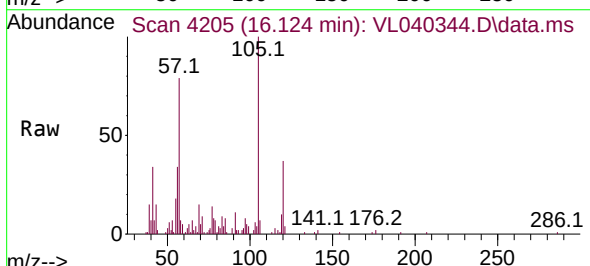
Tgt Ion: 95 Resp: 213388
Ion Ratio Lower Upper
95 100
174 59.4 47.0 70.6
175 4.1 3.4 5.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.212 ppbv
RT: 16.124 min Scan# 4205
Delta R.T. 0.003 min
Lab File: VL040344.D
Acq: 12 Apr 2023 18:30



Tgt Ion:105 Resp: 61690
Ion Ratio Lower Upper
105 100
120 37.3 36.6 54.8
91 6.2 39.9 59.9#
77 11.5 18.6 27.8#

