

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040149.D
 Acq On : 6 Feb 2023 17:04
 Operator : SY/MD
 Sample : 01438-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 05:57:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	993018	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2664889	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	2357825	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1748850	8.925	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.200%
Target Compounds						Qvalue
9) Propene	2.677	41	145750	2.945	ppbv	95
10) Heptane	7.571	43	24456	0.214	ppbv	89
13) Ethanol	3.230	45	512400	112.498	ppbv	99
15) Acetone	3.459	43	109394m	0.919	ppbv	
19) Isopropyl Alcohol	3.568	45	3447758	59.169	ppbv #	94
20) Methylene Chloride	3.922	84	139396	2.653	ppbv	96
26) Hexane	5.201	57	65438	0.713	ppbv #	39
30) Cyclohexane	6.590	84	12498m	0.171	ppbv	
36) Benzene	6.359	78	201118	1.020	ppbv	96
44) 2,2,4-Trimethylpentane	7.314	57	68426m	0.209	ppbv	
53) Toluene	9.214	91	312952	1.488	ppbv	99
58) Ethyl Benzene	12.082	91	66935	0.254	ppbv	91
59) m/p-Xylene	12.339	91	165463m	0.699	ppbv	
60) o-Xylene	13.060	91	56766	0.253	ppbv	92
74) 1,2,4-Trimethylbenzene	16.111	105	51103	0.206	ppbv #	70

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

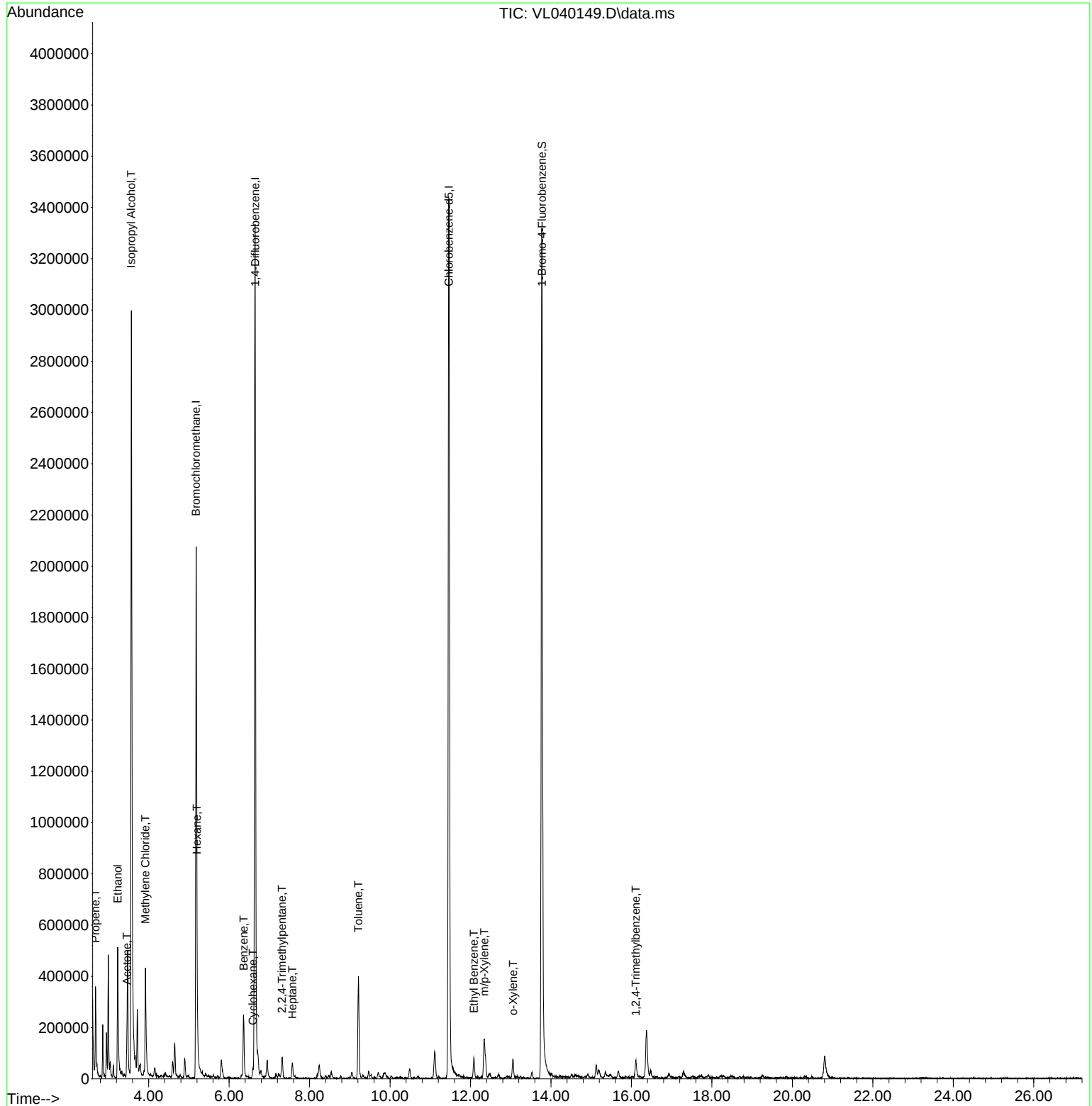
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040149.D
Acq On : 6 Feb 2023 17:04
Operator : SY/MD
Sample : 01438-04DL 5X
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Supervised By :Mahesh Dadoda 02/08/2023

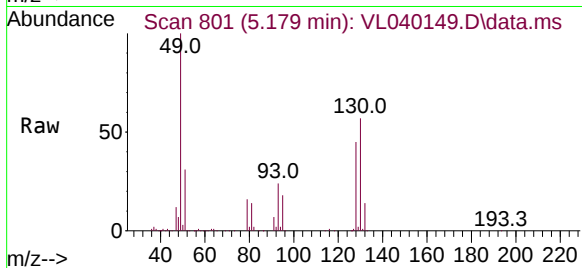
Quant Time: Feb 07 05:57:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

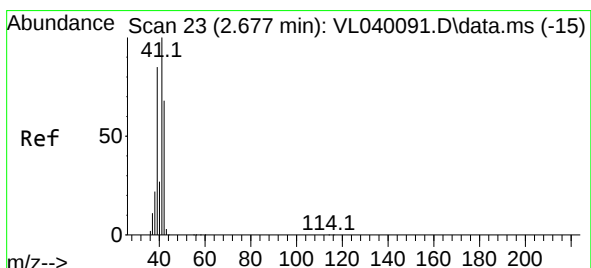
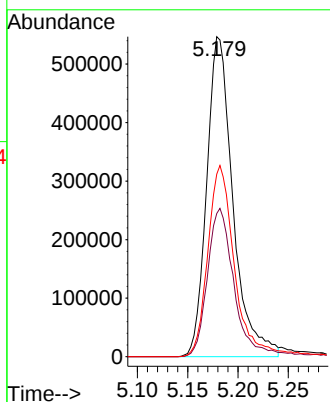
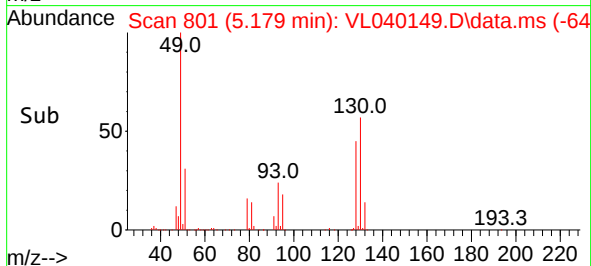
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 993018
Ion Ratio Lower Upper
49 100
128 48.5 23.6 71.0
130 62.0 29.8 89.3

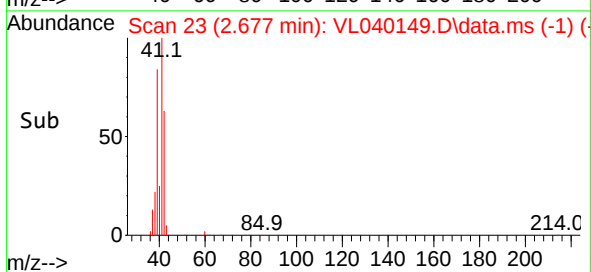
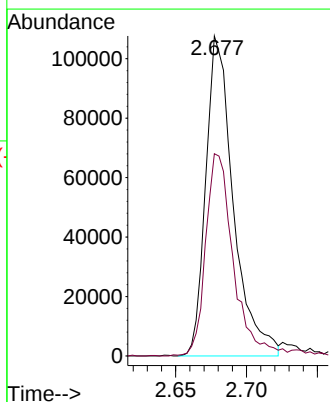
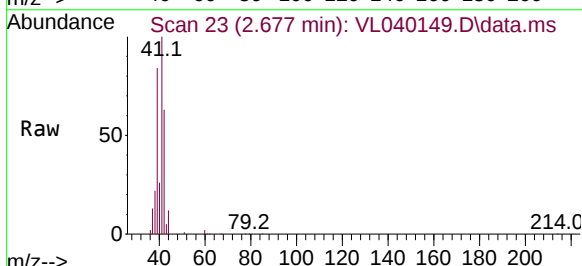
Manual Integrations
APPROVED

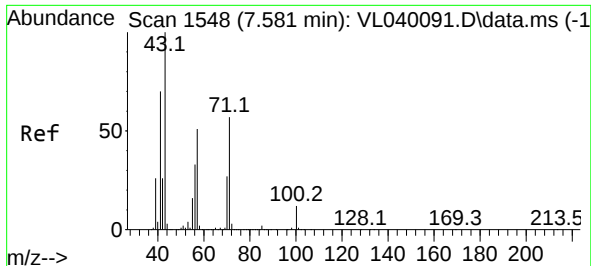
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#9
Propene
Concen: 2.945 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Tgt Ion: 41 Resp: 145750
Ion Ratio Lower Upper
41 100
42 65.3 55.6 83.4





#10

Heptane

Concen: 0.214 ppbv

RT: 7.571 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040149.D

Acq: 6 Feb 2023 17:04

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

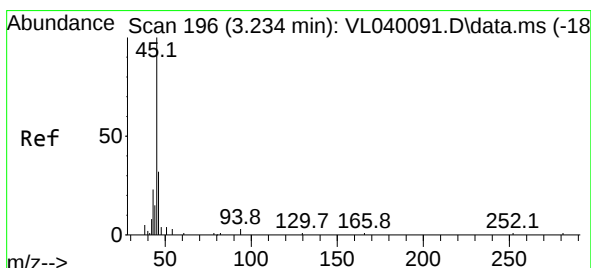
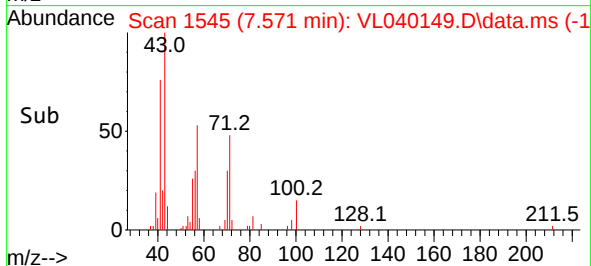
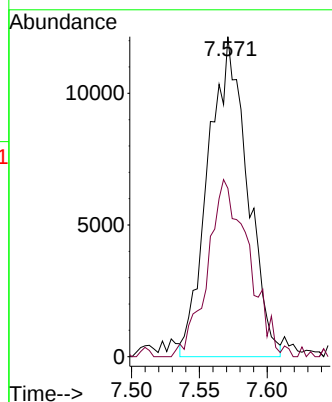
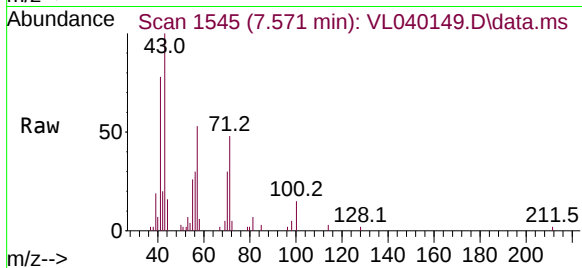
57 58.8 40.9 61.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#13

Ethanol

Concen: 112.498 ppbv

RT: 3.230 min Scan# 195

Delta R.T. 0.003 min

Lab File: VL040149.D

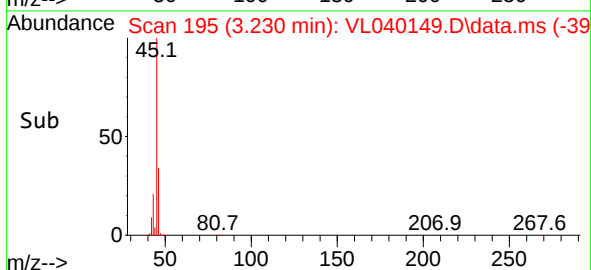
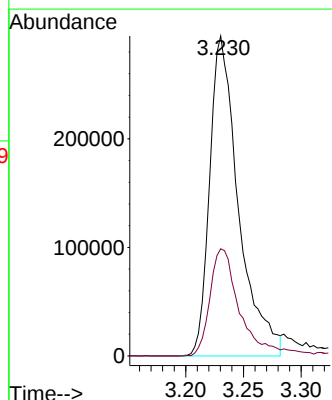
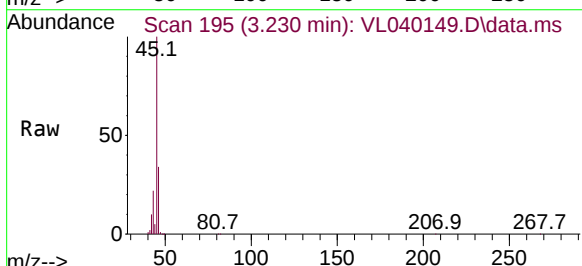
Acq: 6 Feb 2023 17:04

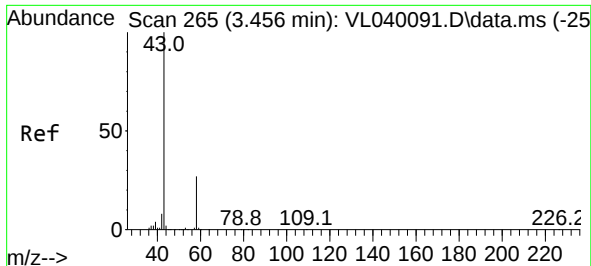
Tgt Ion: 45 Resp: 512400

Ion Ratio Lower Upper

45 100

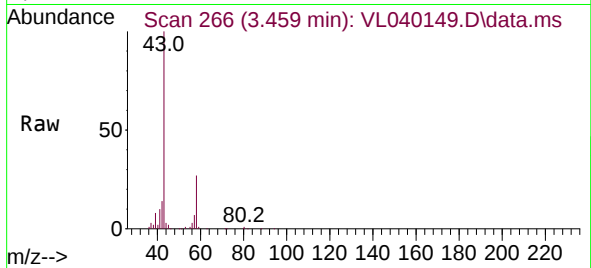
46 36.3 14.8 59.2





#15
Acetone
Concen: 0.919 ppbv m
RT: 3.459 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

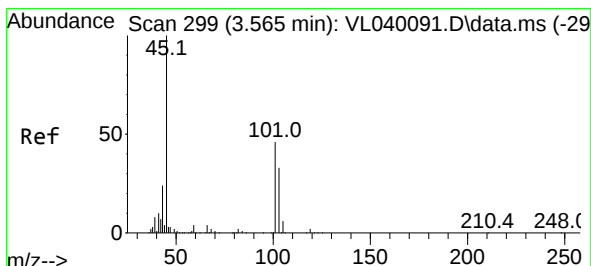
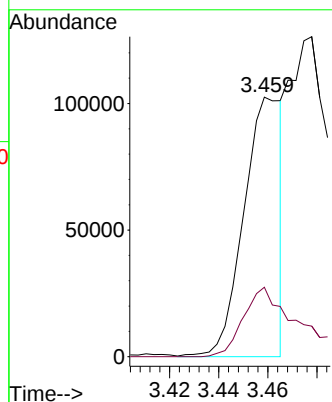
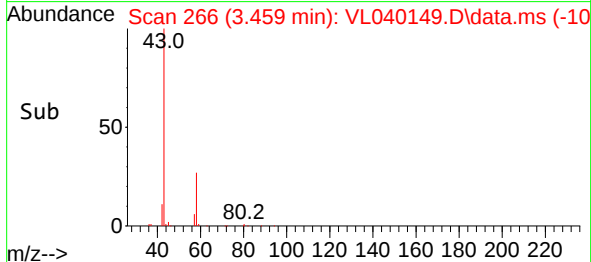
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 109394
Ion Ratio Lower Upper
43 100
58 41.2 21.8 32.8

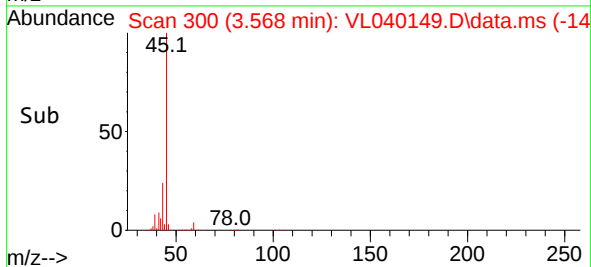
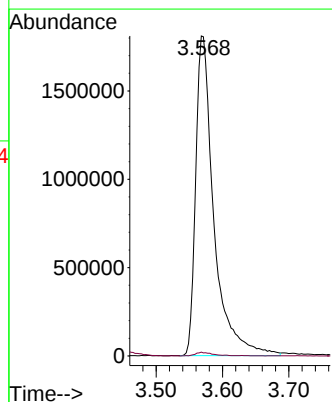
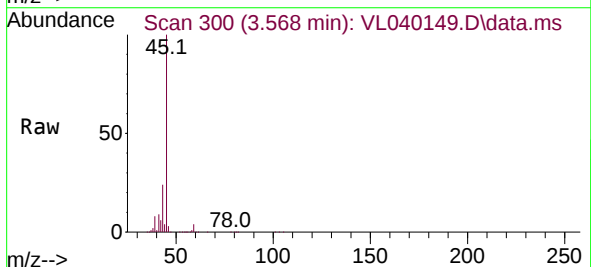
Manual Integrations
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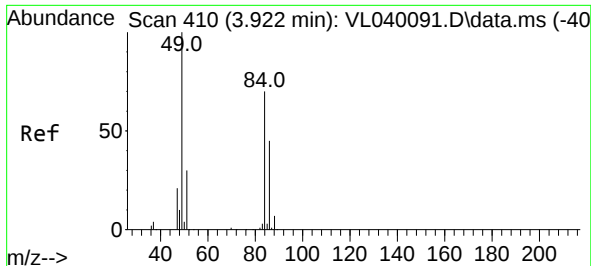
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#19
Isopropyl Alcohol
Concen: 59.169 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

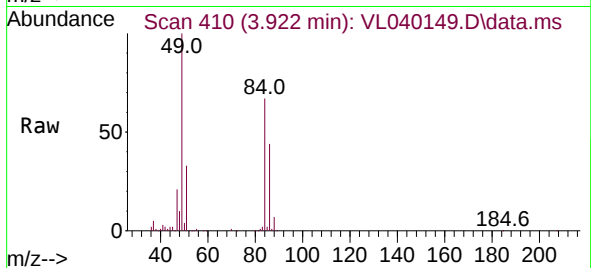
Tgt Ion: 45 Resp: 3447758
Ion Ratio Lower Upper
45 100
58 1.3 2.6 4.0





#20
Methylene Chloride
Concen: 2.653 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.006 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

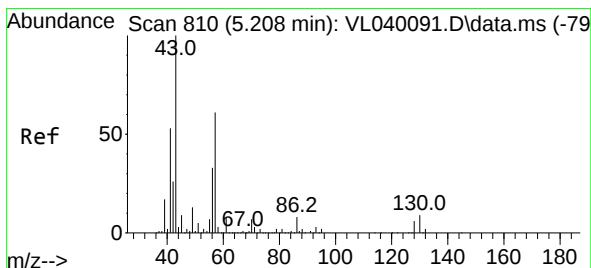
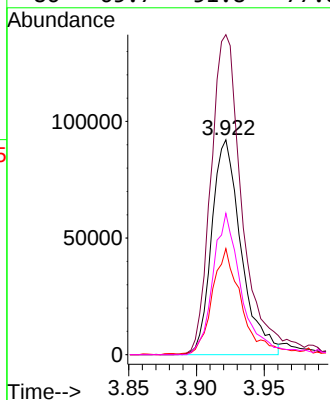
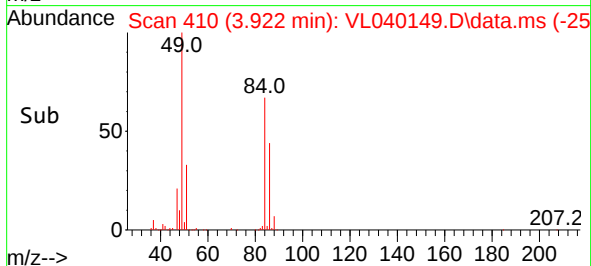
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 84 Resp: 139390
Ion Ratio Lower Upper
84 100
49 148.6 114.6 171.8
51 49.1 34.3 51.5
86 65.7 51.8 77.8

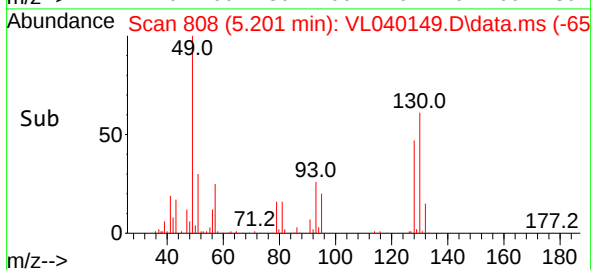
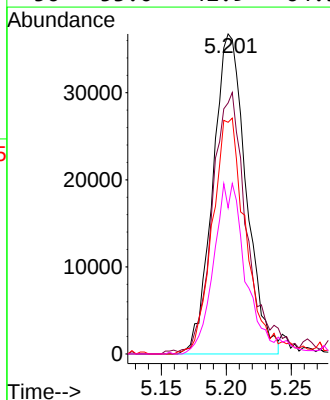
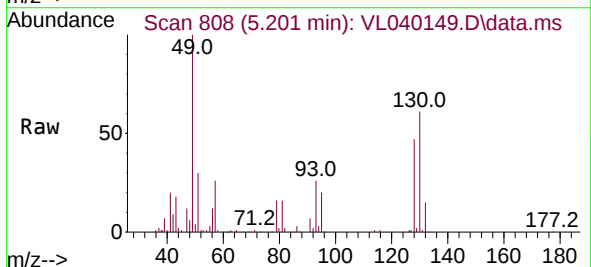
Manual Integrations
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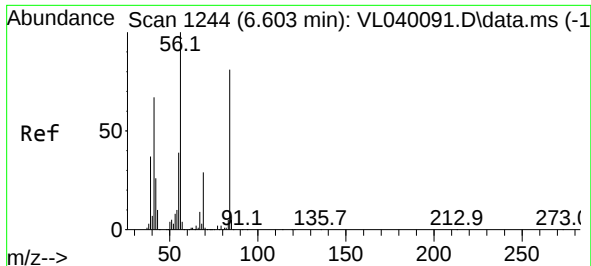
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#26
Hexane
Concen: 0.713 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

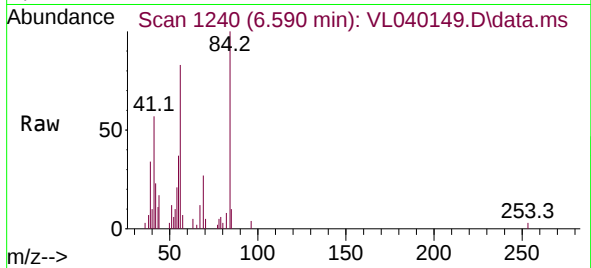
Tgt Ion: 57 Resp: 65438
Ion Ratio Lower Upper
57 100
41 88.9 72.2 108.4
43 75.9 192.1 288.1#
56 53.0 42.9 64.3





#30
Cyclohexane
Concen: 0.171 ppbv m
RT: 6.590 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

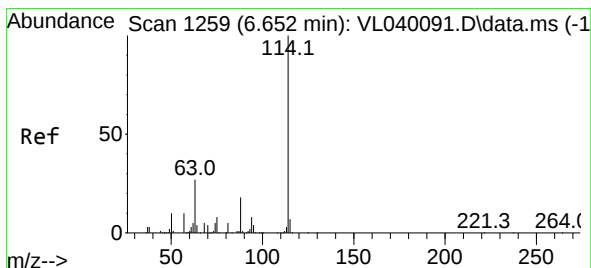
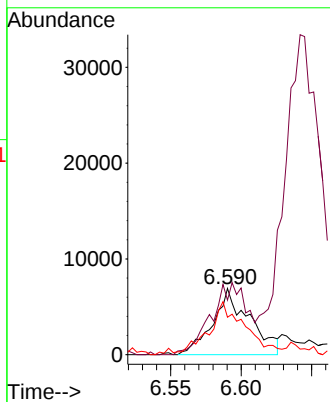
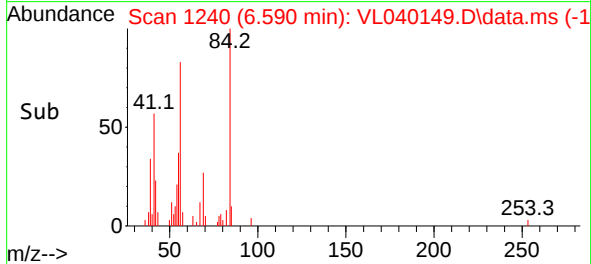
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



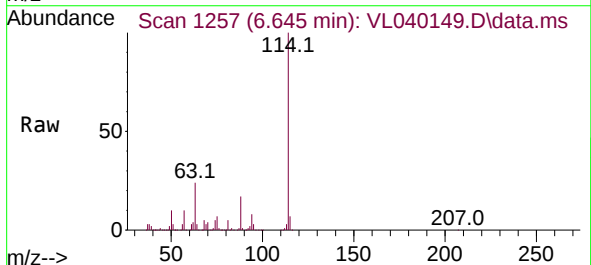
Tgt Ion: 84 Resp: 12498
Ion Ratio Lower Upper
84 100
56 0.0 111.5 167.3
41 88.0 71.4 107.0

Manual Integrations
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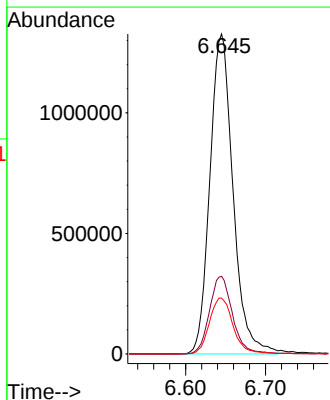
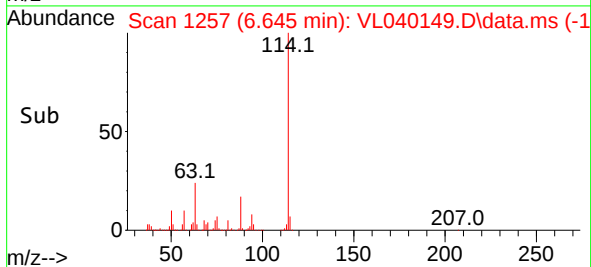
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

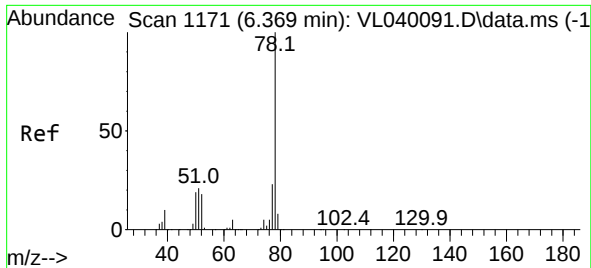


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. 0.003 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04



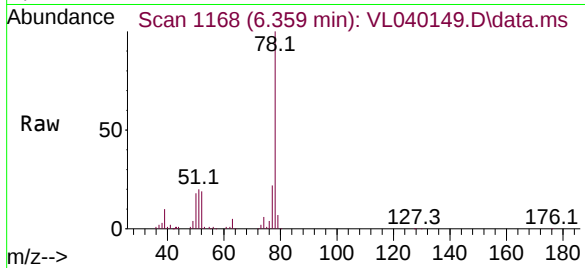
Tgt Ion:114 Resp: 2664889
Ion Ratio Lower Upper
114 100
63 24.4 21.8 32.8
88 18.1 14.8 22.2





#36
Benzene
Concen: 1.020 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

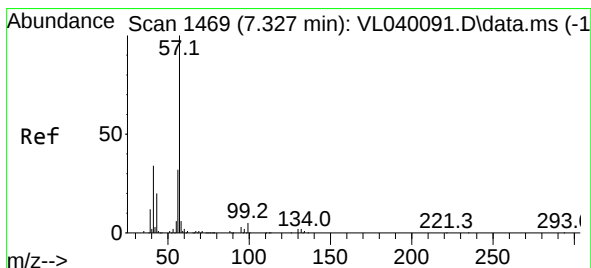
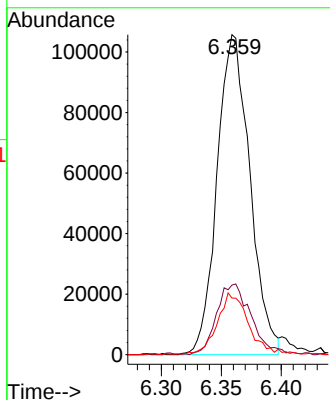
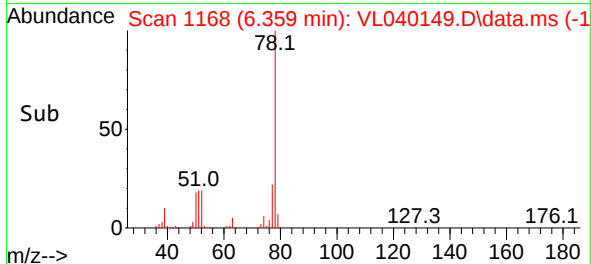
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



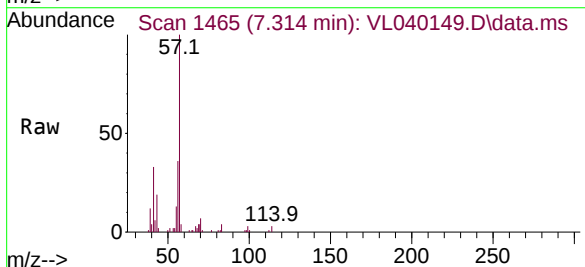
Tgt Ion: 78 Resp: 201118
Ion Ratio Lower Upper
78 100
77 21.7 18.1 27.1
50 16.7 15.6 23.4

Manual Integrations
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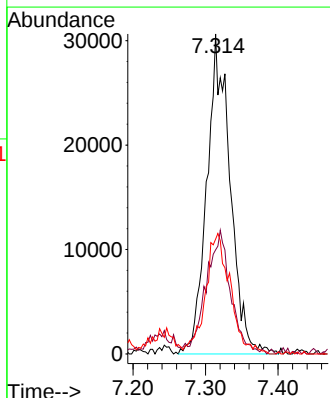
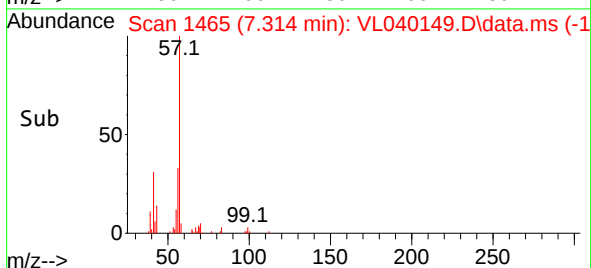
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

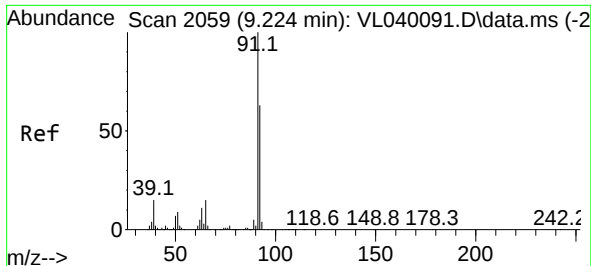


#44
2,2,4-Trimethylpentane
Concen: 0.209 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04



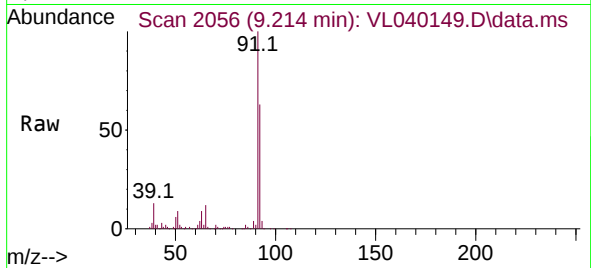
Tgt Ion: 57 Resp: 68426
Ion Ratio Lower Upper
57 100
41 41.5 27.1 40.7#
56 40.0 25.0 37.4#





#53
Toluene
Concen: 1.488 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

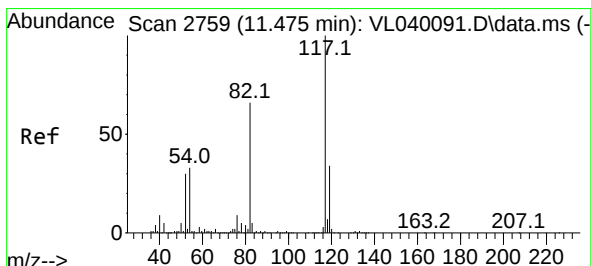
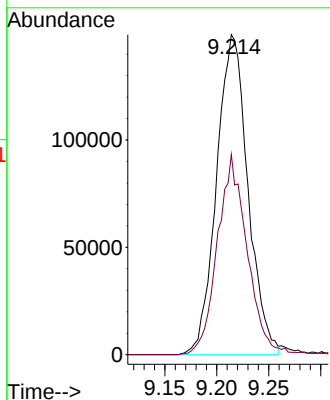
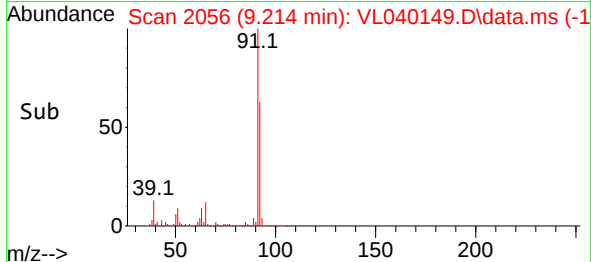
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 91 Resp: 312952
Ion Ratio Lower Upper
91 100
92 59.8 48.3 72.5

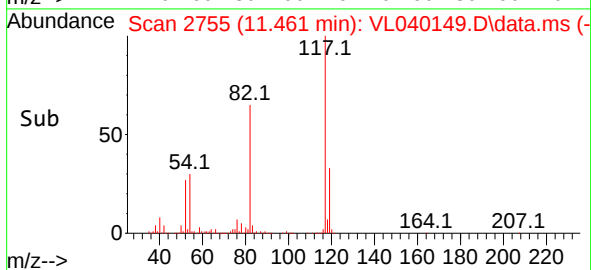
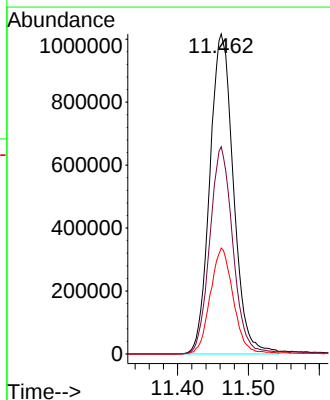
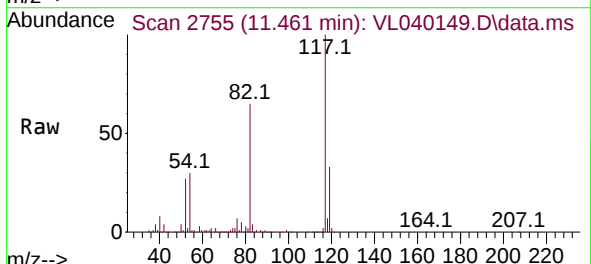
Manual Integrations
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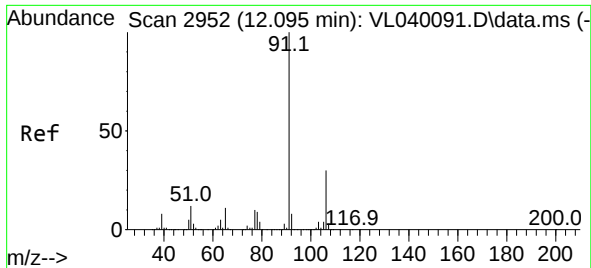
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.461 min Scan# 2755
Delta R.T. 0.003 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Tgt Ion:117 Resp: 2357825
Ion Ratio Lower Upper
117 100
82 64.4 54.4 81.6
119 32.7 26.8 40.2





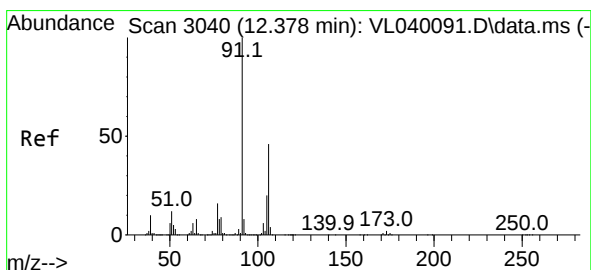
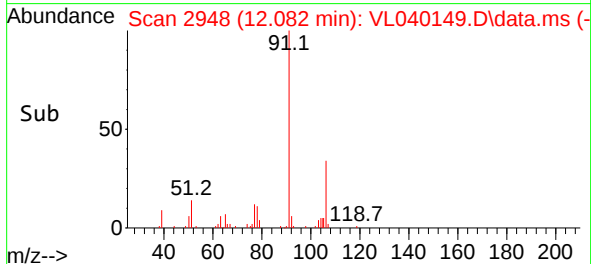
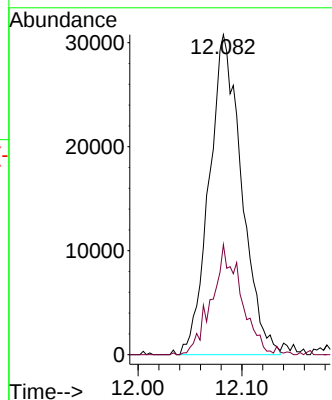
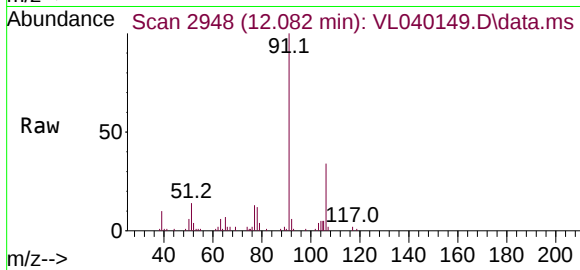
#58
Ethyl Benzene
Concen: 0.254 ppbv
RT: 12.082 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 66938
Ion Ratio Lower Upper
91 100
106 34.4 23.7 35.5

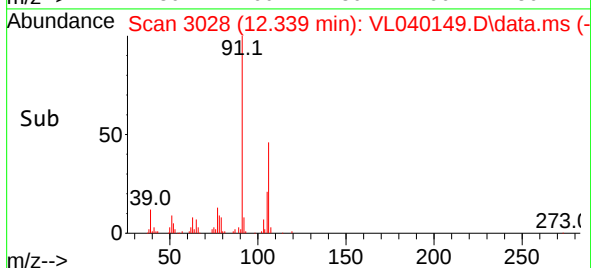
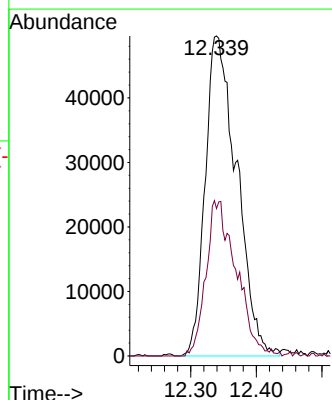
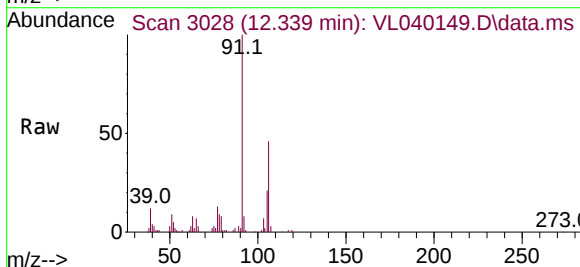
Manual Integrations
APPROVED

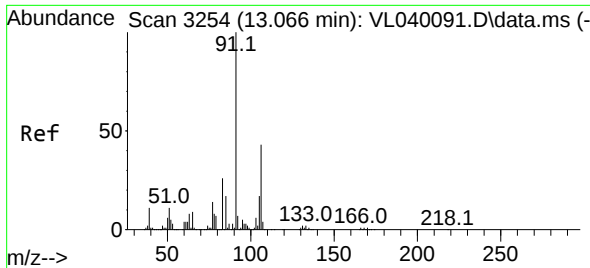
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#59
m/p-Xylene
Concen: 0.699 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.026 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Tgt Ion: 91 Resp: 165463
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.4#





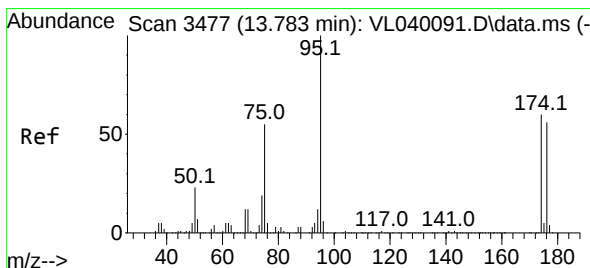
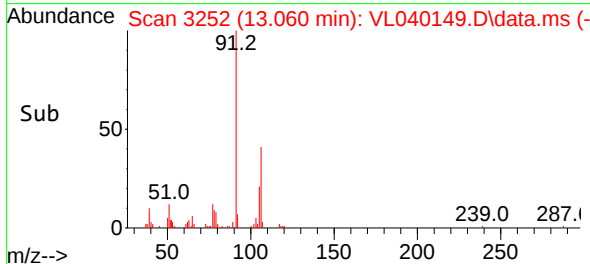
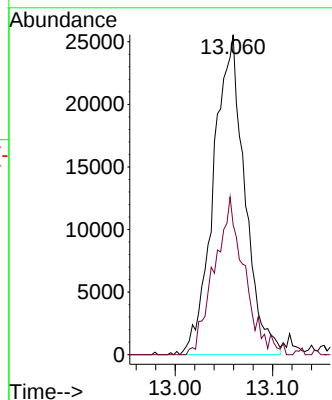
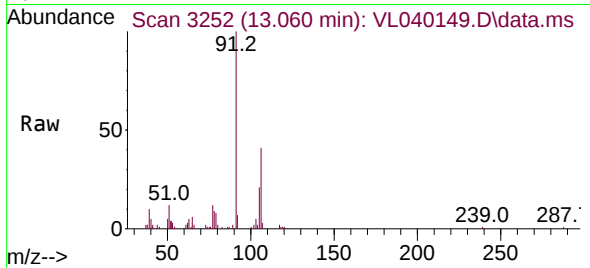
#60
o-Xylene
Concen: 0.253 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 5676
Ion Ratio Lower Upper
91 100
106 48.2 21.6 64.8

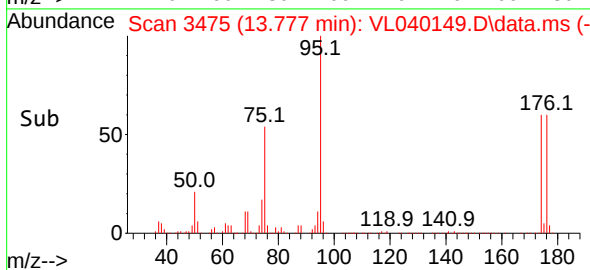
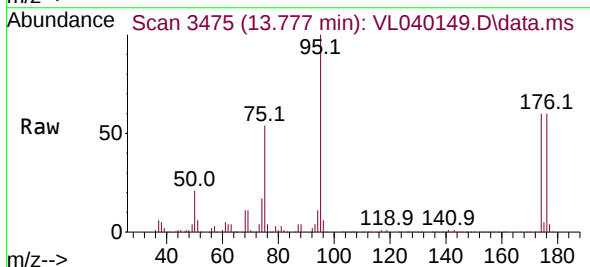
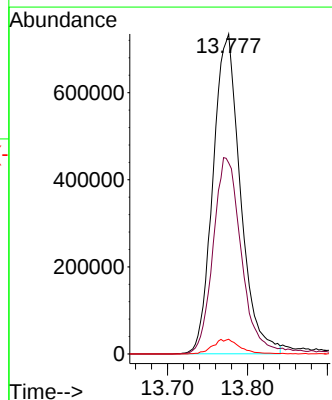
Manual Integrations
APPROVED

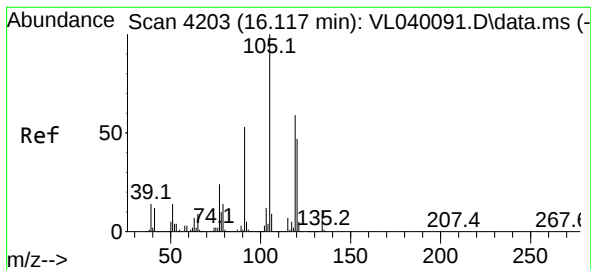
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 8.925 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.006 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

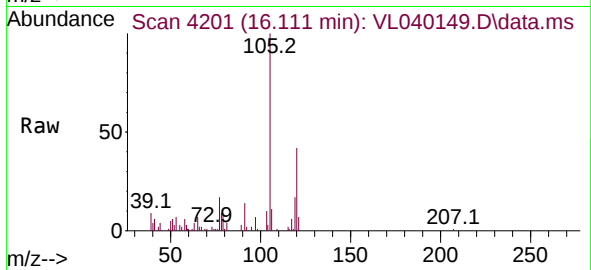
Tgt Ion: 95 Resp: 1748850
Ion Ratio Lower Upper
95 100
174 65.1 47.7 71.5
175 4.6 3.4 5.2





#74
1,2,4-Trimethylbenzene
Concen: 0.206 ppbv
RT: 16.111 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040149.D
Acq: 6 Feb 2023 17:04

Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:	105	Resp:	5110
Ion	Ratio	Lower	Upper
105	100		
120	41.6	38.0	57.0
91	11.9	42.1	63.1
77	17.4	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

