

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040112.D
 Acq On : 19 Jan 2023 14:21
 Operator : SY/MD
 Sample : 01223-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:06:30 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.192	49	1127251	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3000420	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2591186	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	4151020	19.275	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	192.800%#
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.912	62	33236	0.469	ppbv	94
10) Heptane	7.600	43	643187	4.968	ppbv #	27
13) Ethanol	3.237	45	79605m	15.396	ppbv	
15) Acetone	3.462	43	1202531	8.895	ppbv #	78
19) Isopropyl Alcohol	3.581	45	33382m	0.505	ppbv	
20) Methylene Chloride	3.931	84	113435	1.902	ppbv	91
26) Hexane	5.218	57	640238	6.142	ppbv #	40
27) Carbon Disulfide	4.121	76	49859	0.369	ppbv	97
30) Cyclohexane	6.613	84	5906846	71.288	ppbv	91
31) cis-1,2-Dichloroethene	5.079	61	41347m	0.410	ppbv	
34) 2-Butanone	4.787	43	887890m	6.256	ppbv	
36) Benzene	6.375	78	784948	3.535	ppbv	99
41) Tetrahydrofuran	5.581	42	83196m	1.016	ppbv	
44) 2,2,4-Trimethylpentane	7.356	57	26110246	70.711	ppbv #	40
53) Toluene	9.240	91	327587	1.383	ppbv	95
58) Ethyl Benzene	12.114	91	460627	1.593	ppbv	93
59) m/p-Xylene	12.368	91	199659m	0.768	ppbv	
60) o-Xylene	13.079	91	97967m	0.397	ppbv	
62) Isopropylbenzene	14.056	105	2838477	7.996	ppbv	99
64) n-propylbenzene	14.944	120	530660	6.014	ppbv	95
65) tert-Butylbenzene	16.114	119	150768	0.496	ppbv #	83
67) sec-Butylbenzene	16.661	105	1094921	2.541	ppbv	100
74) 1,2,4-Trimethylbenzene	16.130	105	82534	0.302	ppbv #	92

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

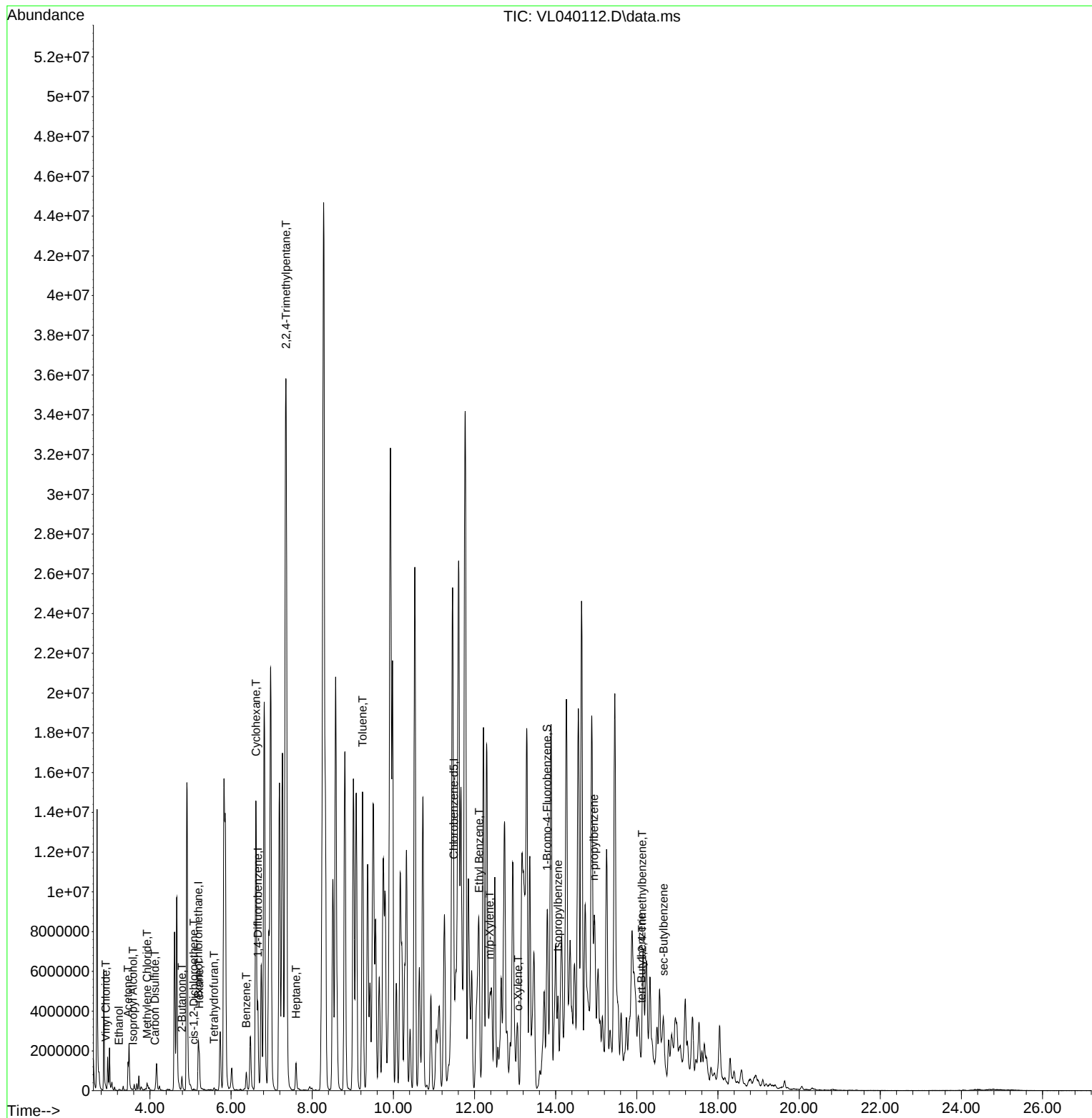
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
Data File : VL040112.D
Acq On : 19 Jan 2023 14:21
Operator : SY/MD
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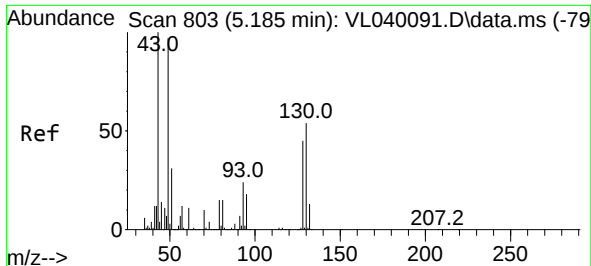
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

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Supervised By :Mahesh Dadoda 01/20/2023

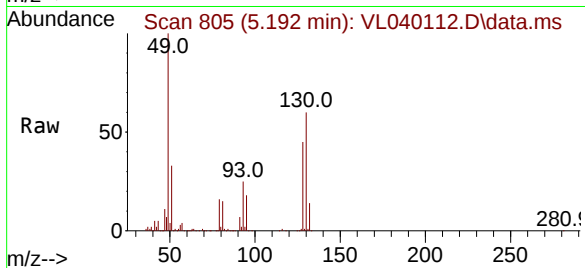
Quant Time: Jan 20 02:06:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

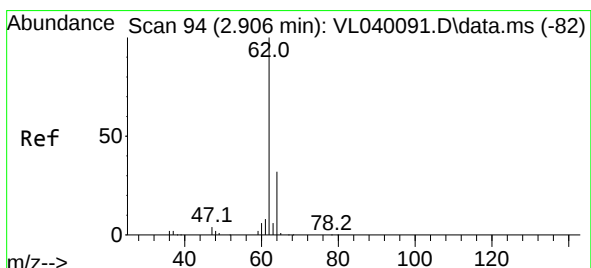
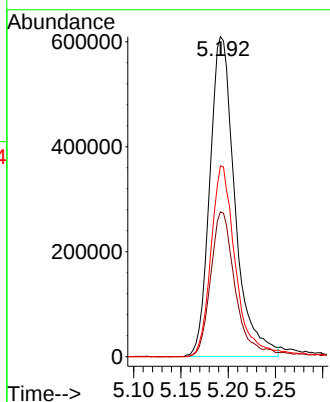
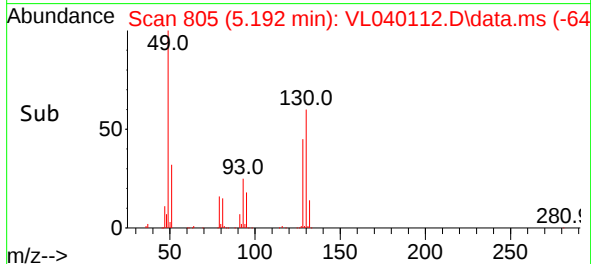
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 49 Resp: 112725
Ion Ratio Lower Upper
49 100
128 46.4 23.6 71.0
130 60.6 29.8 89.3

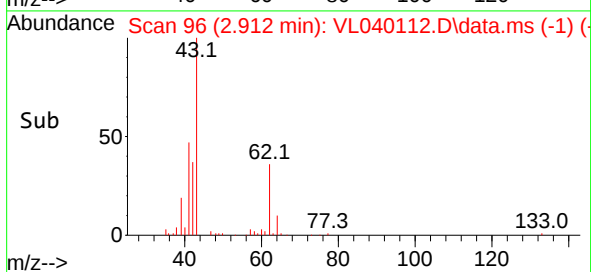
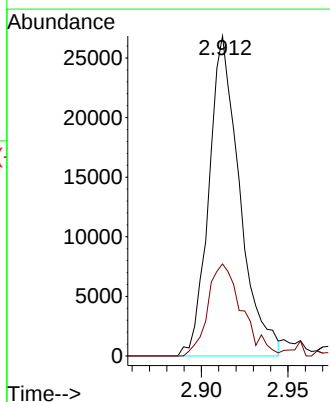
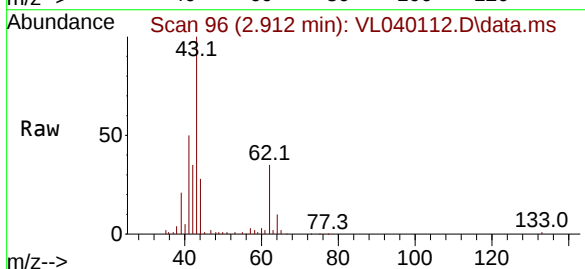
Manual Integrations
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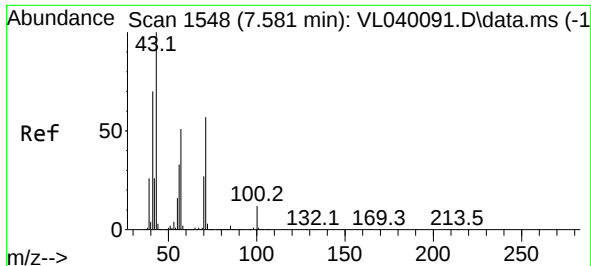
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#5
Vinyl Chloride
Concen: 0.469 ppbv
RT: 2.912 min Scan# 96
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

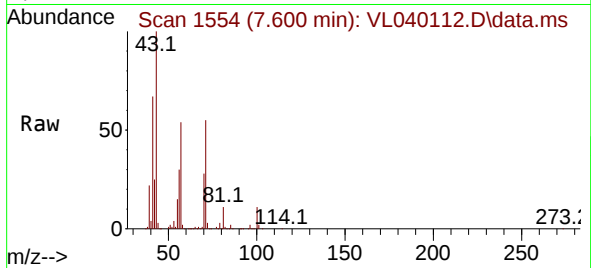
Tgt Ion: 62 Resp: 33236
Ion Ratio Lower Upper
62 100
64 28.7 25.8 38.6





#10
Heptane
Concen: 4.968 ppbv
RT: 7.600 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

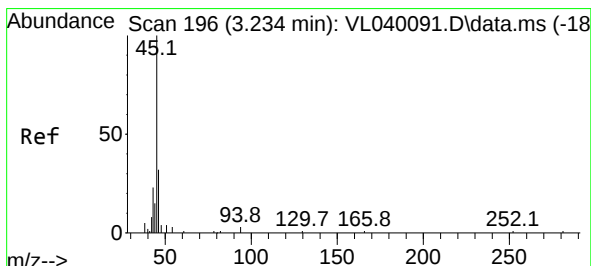
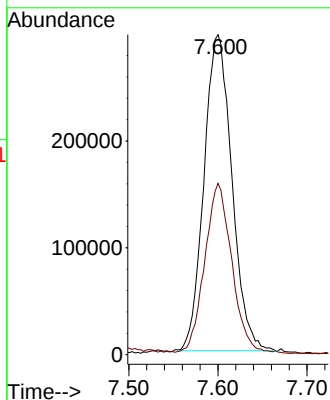
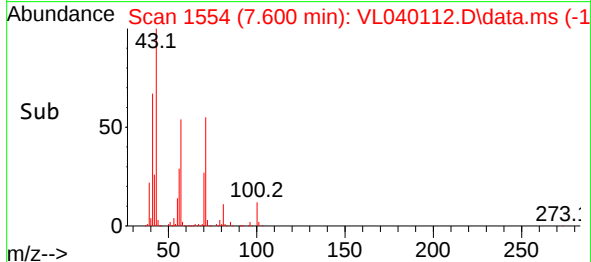
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



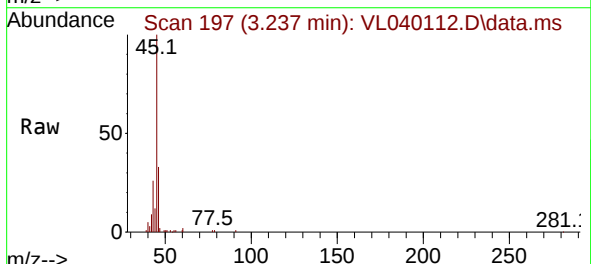
Tgt Ion: 43 Resp: 64318
Ion Ratio Lower Upper
43 100
57 0.0 40.9 61.3

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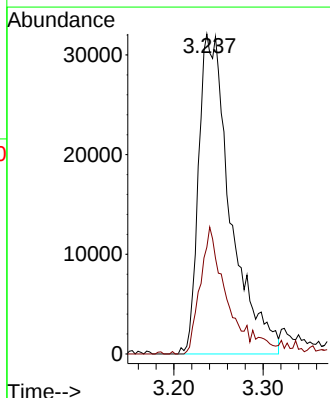
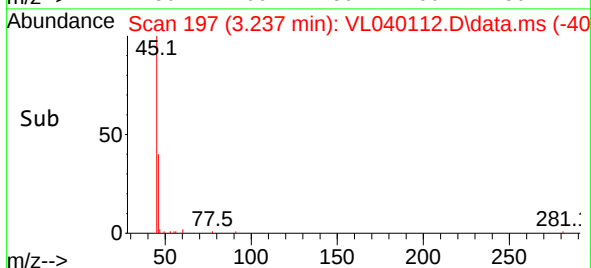
Reviewed By :Semsettin Yesilyurt 01/20/2023
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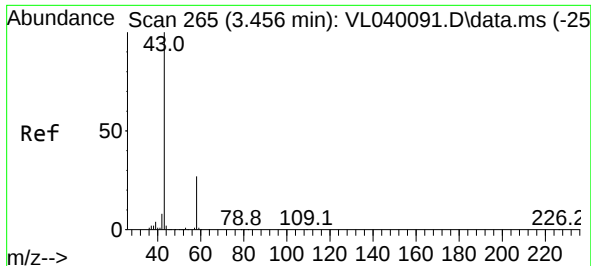


#13
Ethanol
Concen: 15.396 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21



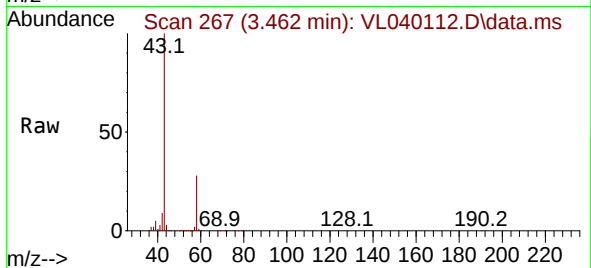
Tgt Ion: 45 Resp: 79605
Ion Ratio Lower Upper
45 100
46 34.1 14.8 59.2





#15
Acetone
Concen: 8.895 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

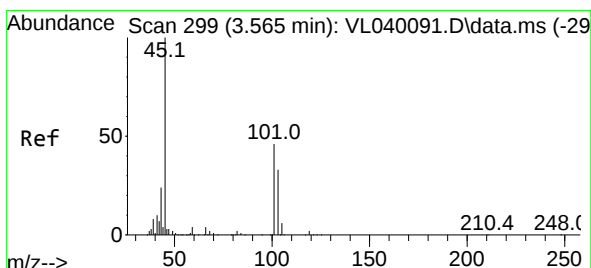
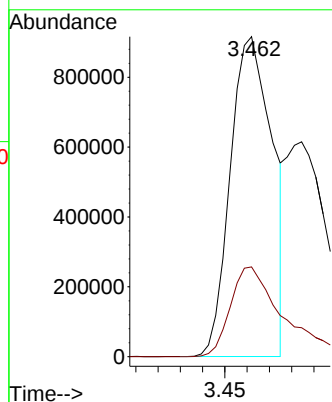
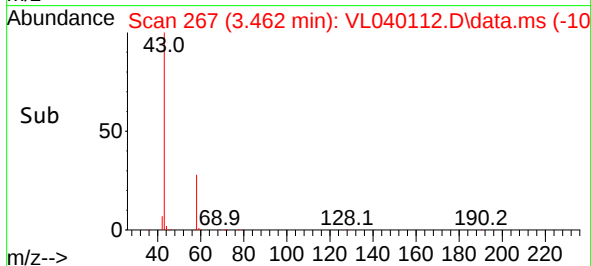
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 43 Resp: 120253
Ion Ratio Lower Upper
43 100
58 38.6 21.8 32.8

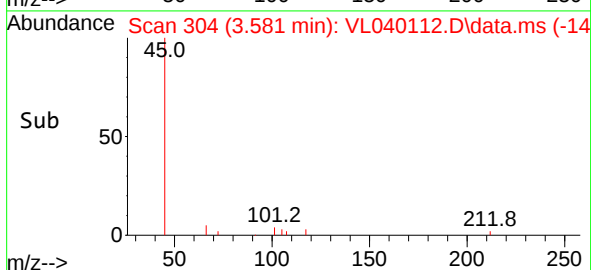
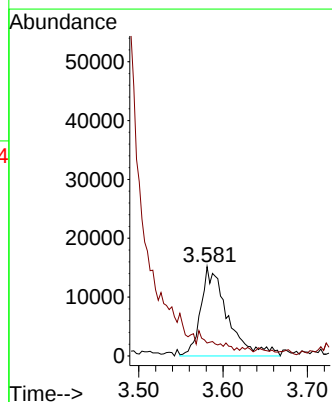
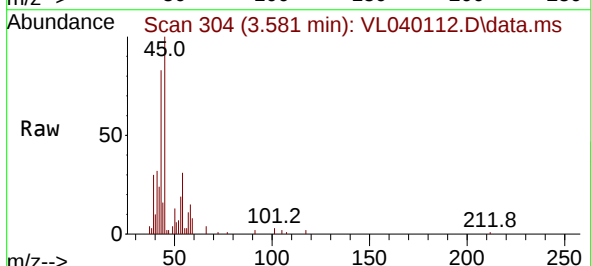
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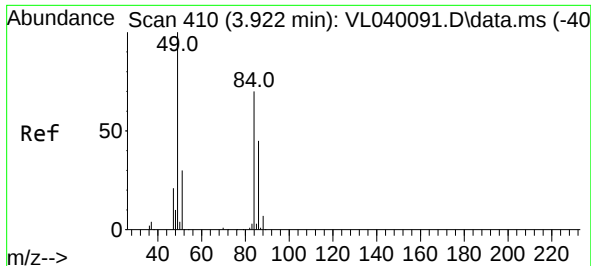
Reviewed By :Semsettin Yesilyurt 01/20/2023
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#19
Isopropyl Alcohol
Concen: 0.505 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.016 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

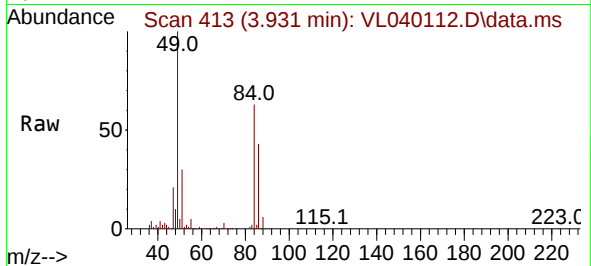
Tgt Ion: 45 Resp: 33382
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0





#20
Methylene Chloride
Concen: 1.902 ppbv
RT: 3.931 min Scan# 410
Delta R.T. 0.010 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

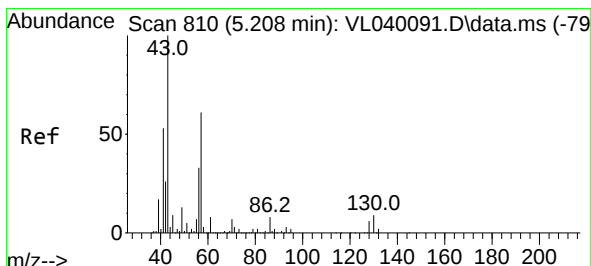
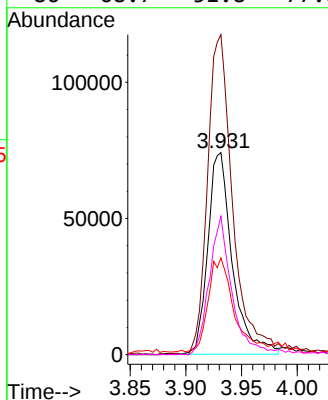
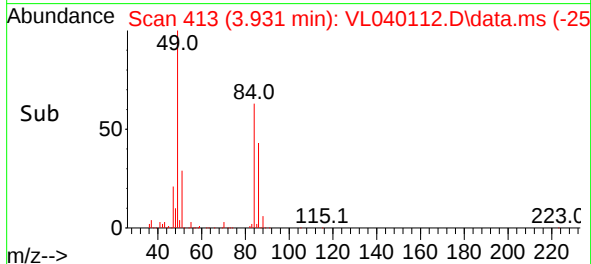
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



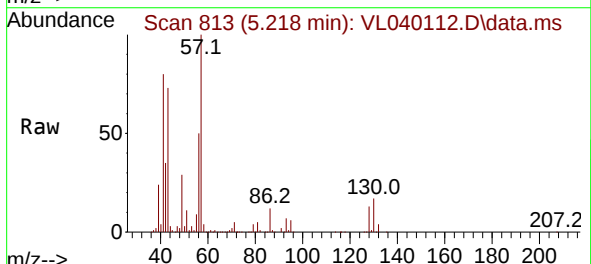
Tgt Ion: 84 Resp: 113438
Ion Ratio Lower Upper
84 100
49 158.0 114.6 171.8
51 46.3 34.3 51.5
86 68.7 51.8 77.8

Manual Integrations
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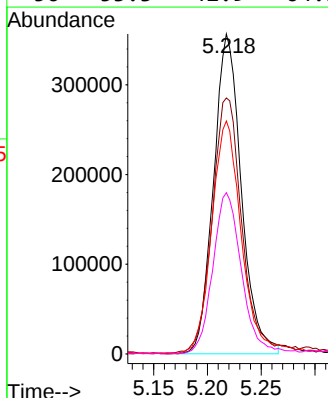
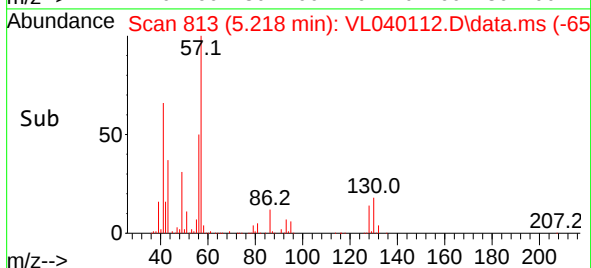
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

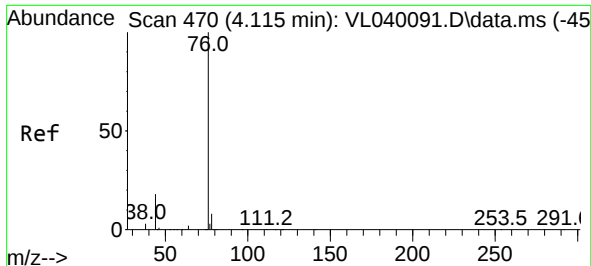


#26
Hexane
Concen: 6.142 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21



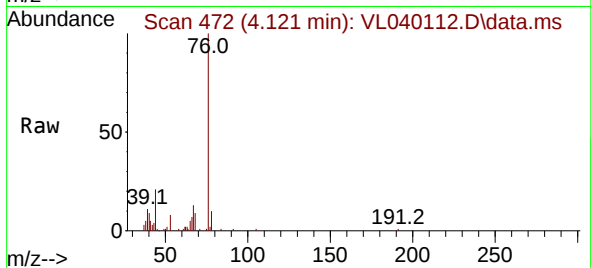
Tgt Ion: 57 Resp: 640238
Ion Ratio Lower Upper
57 100
41 87.6 72.2 108.4
43 78.6 192.1 288.1#
56 53.3 42.9 64.3





#27
Carbon Disulfide
Concen: 0.369 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

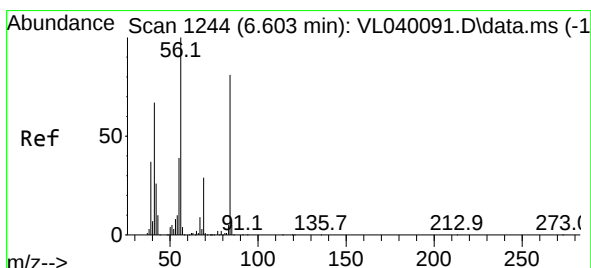
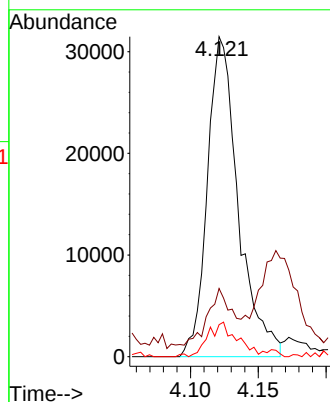
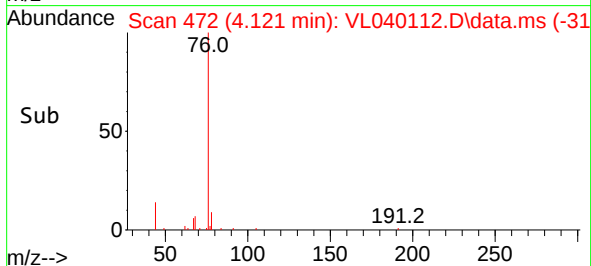
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



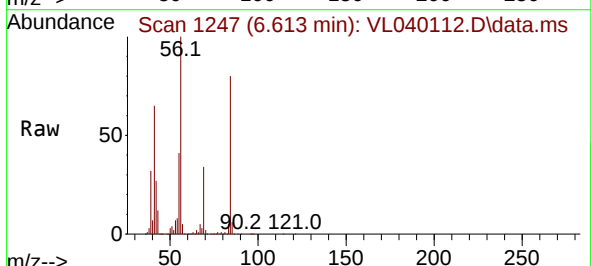
Tgt Ion: 76 Resp: 4985
Ion Ratio Lower Upper
76 100
44 17.5 14.9 22.3
78 11.4 8.2 12.2

Manual Integrations
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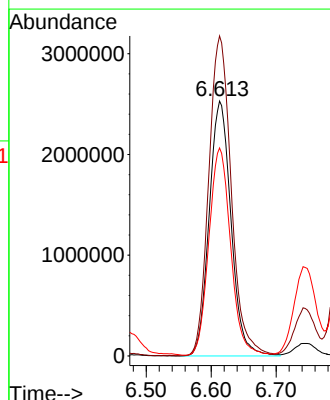
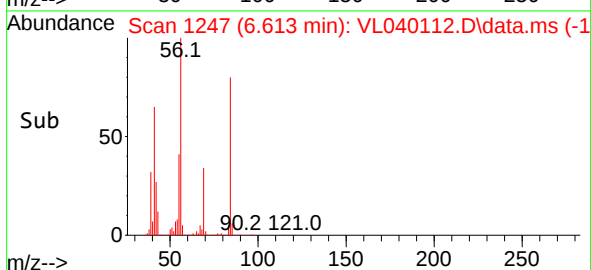
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

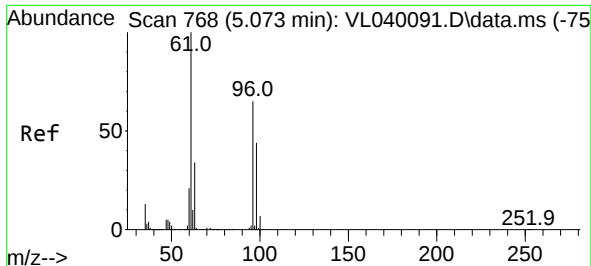


#30
Cyclohexane
Concen: 71.288 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. 0.010 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21



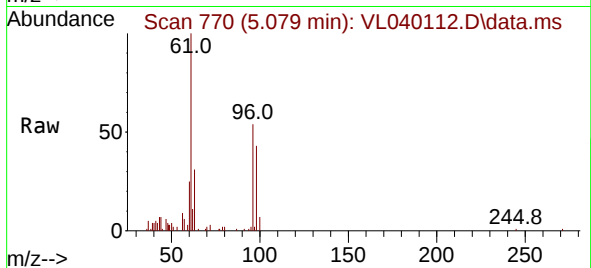
Tgt Ion: 84 Resp: 5906846
Ion Ratio Lower Upper
84 100
56 129.2 111.5 167.3
41 80.6 71.4 107.0





#31
cis-1,2-Dichloroethene
Concen: 0.410 ppbv m
RT: 5.079 min Scan# 768
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

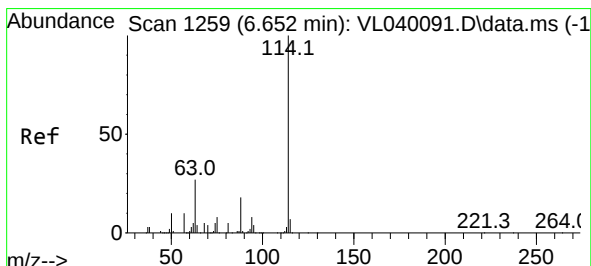
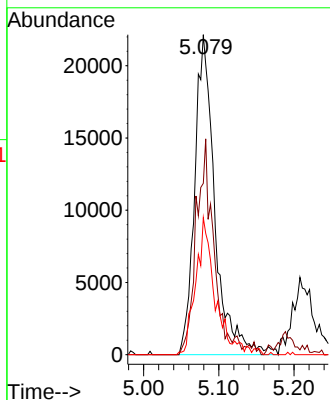
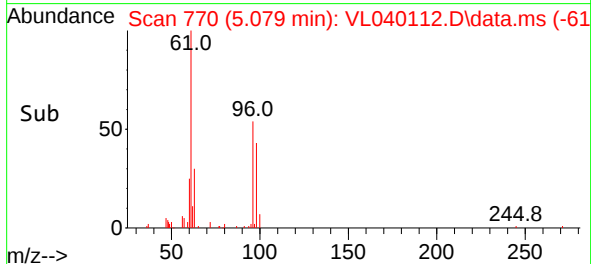
Instrument :
MSVOA_L
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VP-1DL



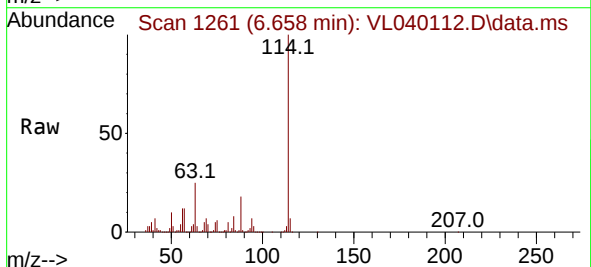
Tgt Ion: 61 Resp: 4134
Ion Ratio Lower Upper
61 100
96 53.6 52.0 78.0
98 42.8 35.3 52.9

Manual Integrations
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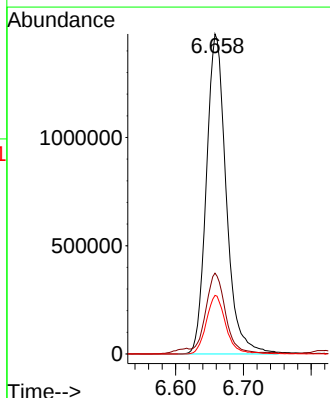
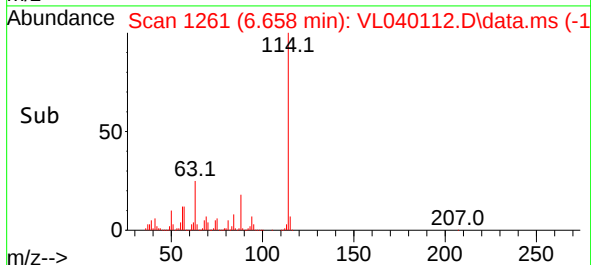
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

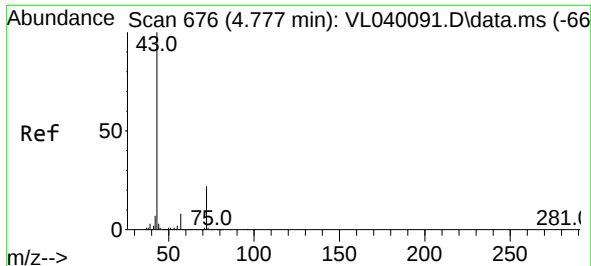


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21



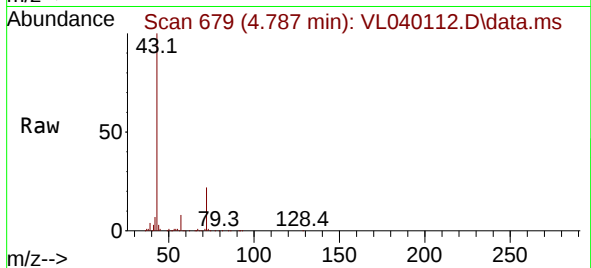
Tgt Ion:114 Resp: 3000420
Ion Ratio Lower Upper
114 100
63 27.2 21.8 32.8
88 18.1 14.8 22.2





#34
2-Butanone
Concen: 6.256 ppbv m
RT: 4.787 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

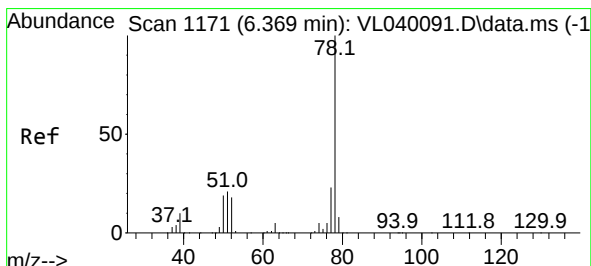
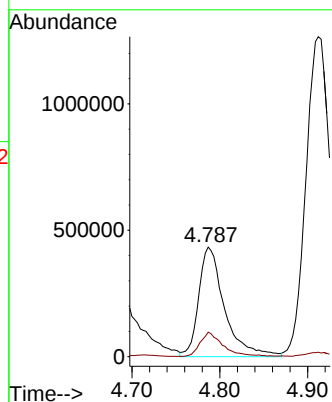
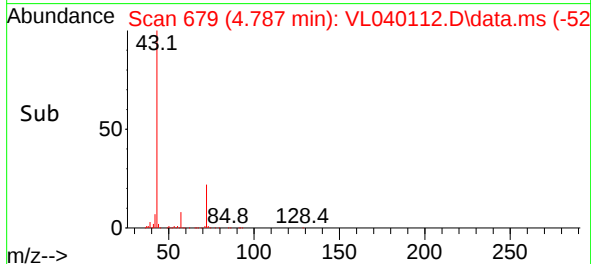
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 43 Resp: 887890
Ion Ratio Lower Upper
43 100
72 20.5 18.4 27.6

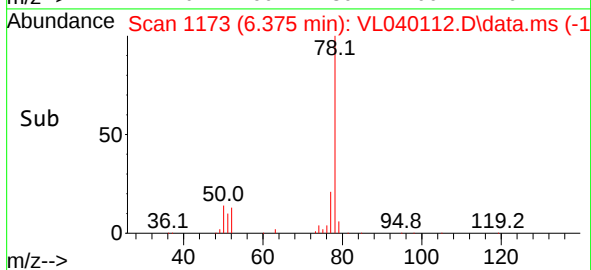
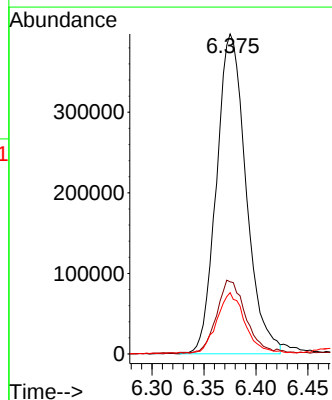
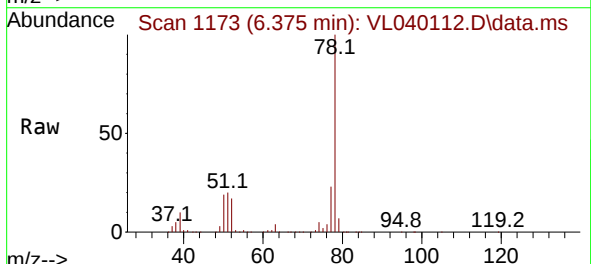
Manual Integrations
APPROVED

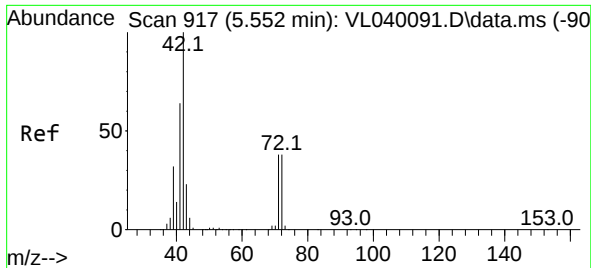
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#36
Benzene
Concen: 3.535 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

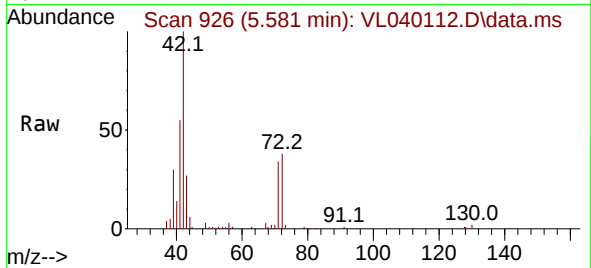
Tgt Ion: 78 Resp: 784948
Ion Ratio Lower Upper
78 100
77 22.1 18.1 27.1
50 18.6 15.6 23.4





#41
Tetrahydrofuran
Concen: 1.016 ppbv m
RT: 5.581 min Scan# 917
Delta R.T. 0.029 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

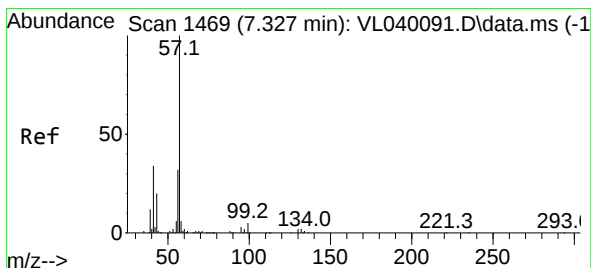
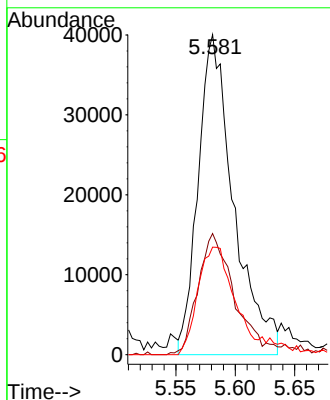
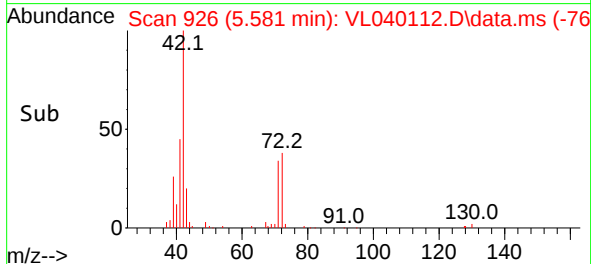
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



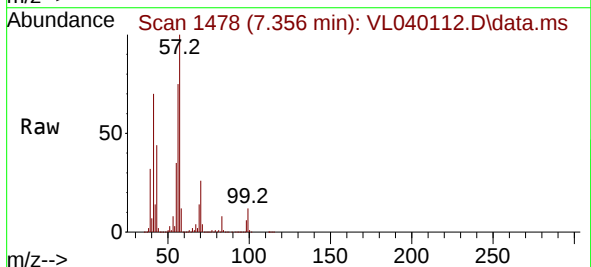
Tgt Ion: 42 Resp: 83190
Ion Ratio Lower Upper
42 100
72 41.4 31.9 47.9
71 37.9 31.4 47.2

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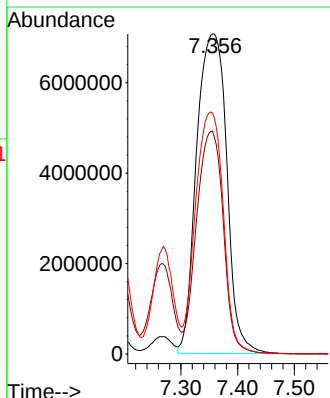
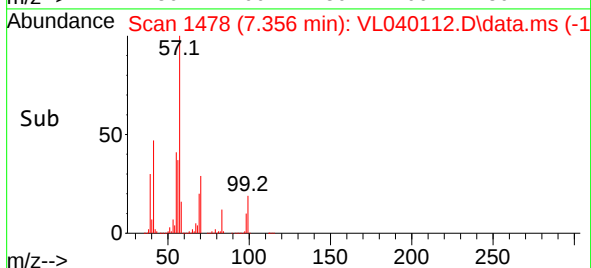
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

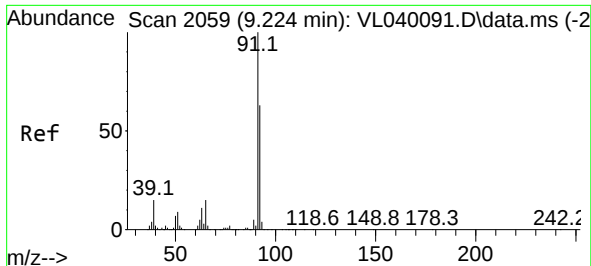


#44
2,2,4-Trimethylpentane
Concen: 70.711 ppbv
RT: 7.356 min Scan# 1478
Delta R.T. 0.029 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21



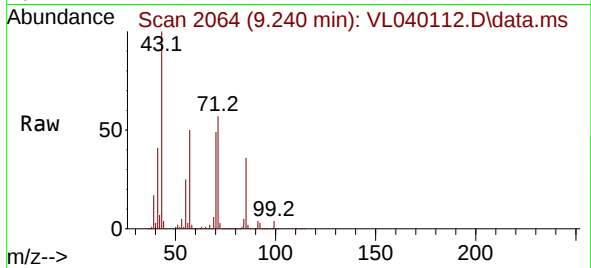
Tgt Ion: 57 Resp:26110246
Ion Ratio Lower Upper
57 100
41 62.6 27.1 40.7#
56 70.3 25.0 37.4#





#53
Toluene
Concen: 1.383 ppbv
RT: 9.240 min Scan# 2059
Delta R.T. 0.016 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

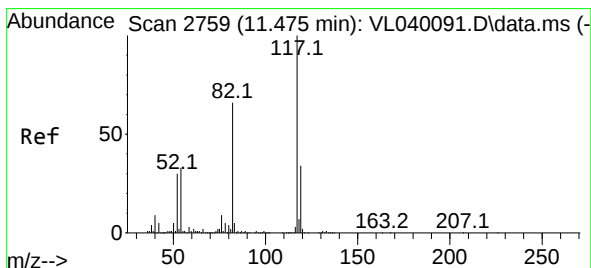
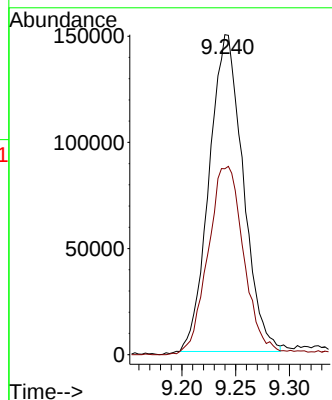
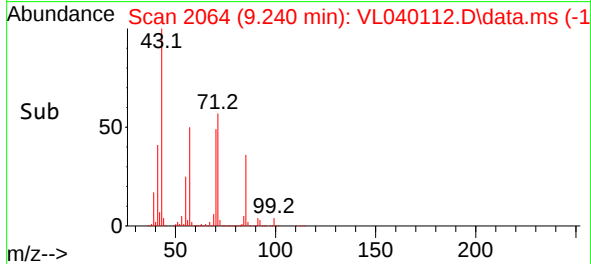
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 91 Resp: 32758
Ion Ratio Lower Upper
91 100
92 64.3 48.3 72.5

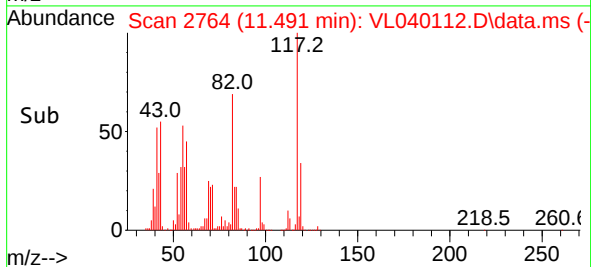
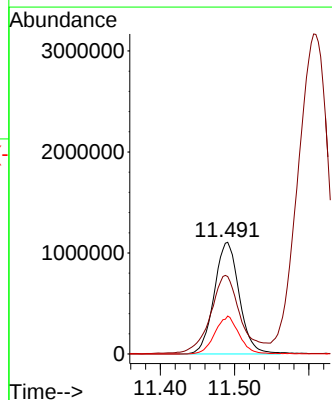
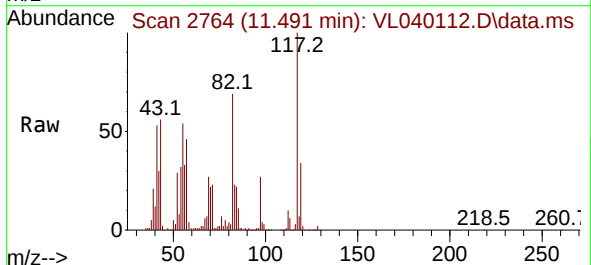
Manual Integrations
APPROVED

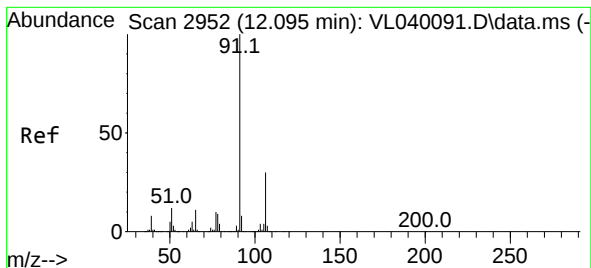
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. 0.016 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

Tgt Ion:117 Resp: 2591186
Ion Ratio Lower Upper
117 100
82 84.5 54.4 81.6#
119 32.9 26.8 40.2





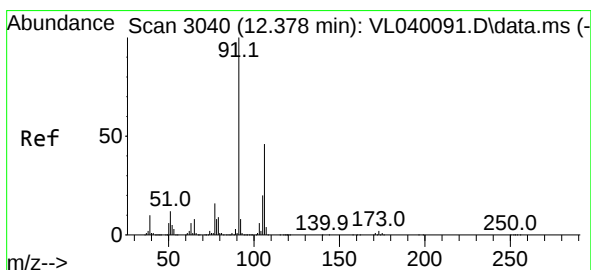
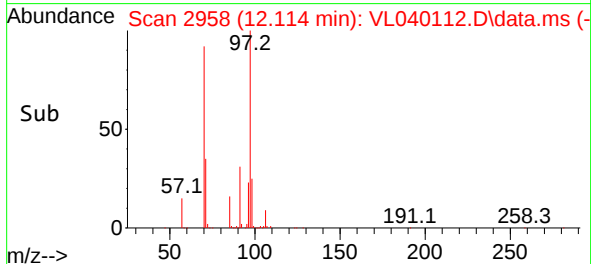
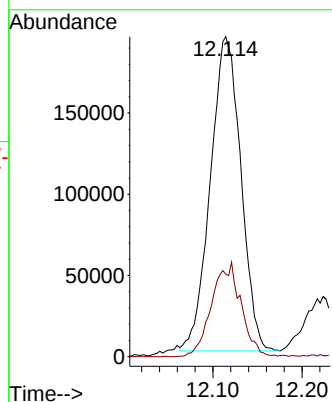
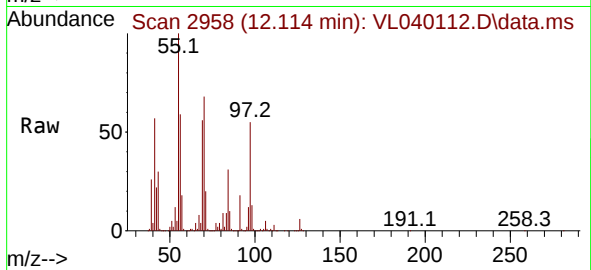
#58
Ethyl Benzene
Concen: 1.593 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. 0.019 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 46062
Ion Ratio Lower Upper
91 100
106 26.1 23.7 35.5

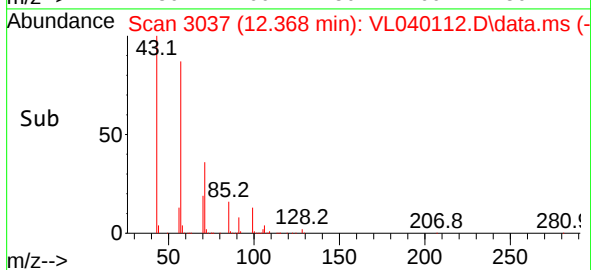
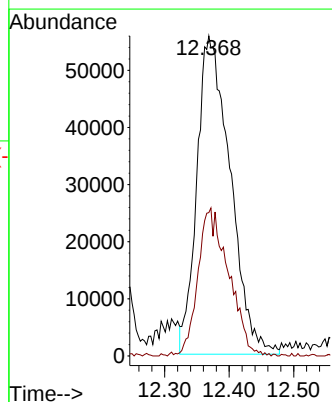
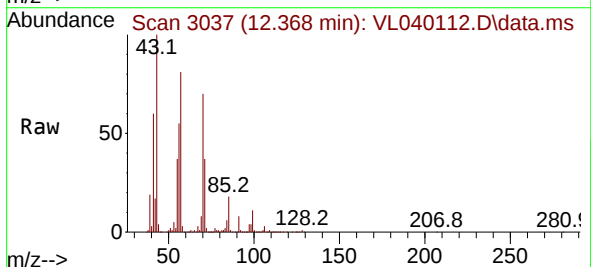
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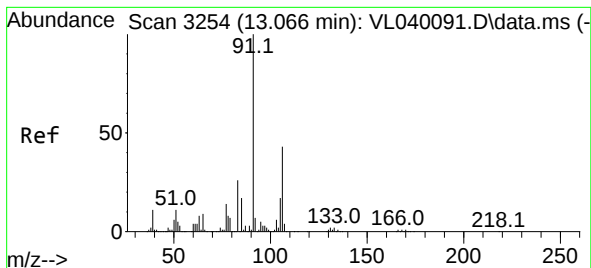
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#59
m/p-Xylene
Concen: 0.768 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.010 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

Tgt Ion: 91 Resp: 199659
Ion Ratio Lower Upper
91 100
106 43.0 34.2 51.4





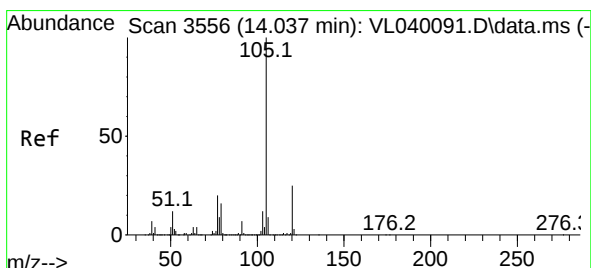
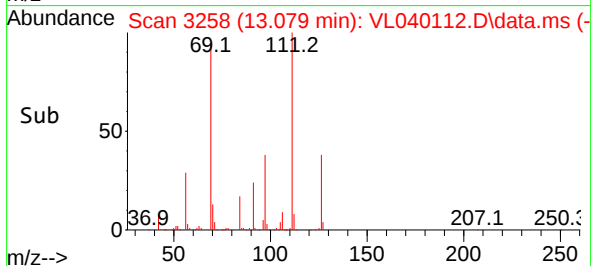
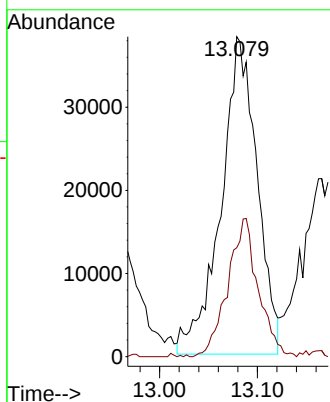
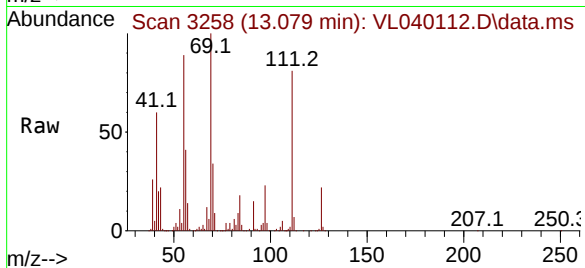
#60
o-Xylene
Concen: 0.397 ppbv m
RT: 13.079 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 9796
Ion Ratio Lower Upper
91 100
106 37.1 21.6 64.8

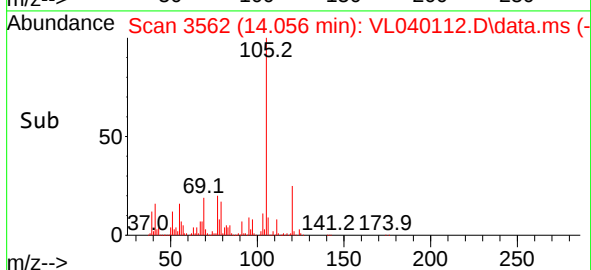
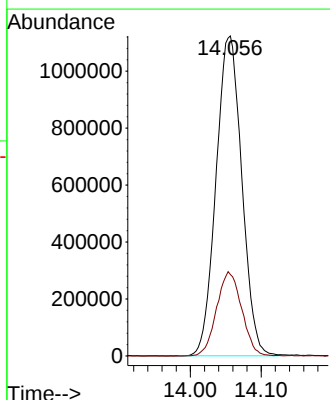
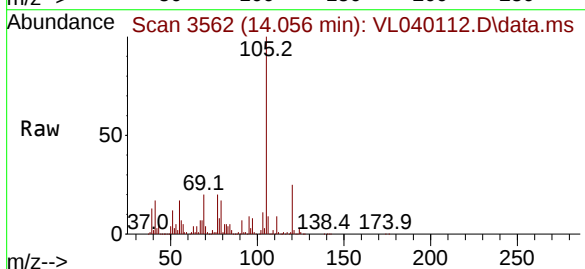
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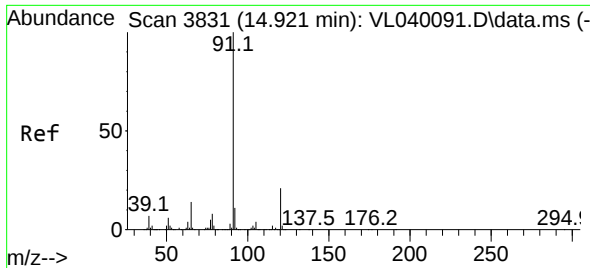
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#62
Isopropylbenzene
Concen: 7.996 ppbv
RT: 14.056 min Scan# 3562
Delta R.T. 0.019 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

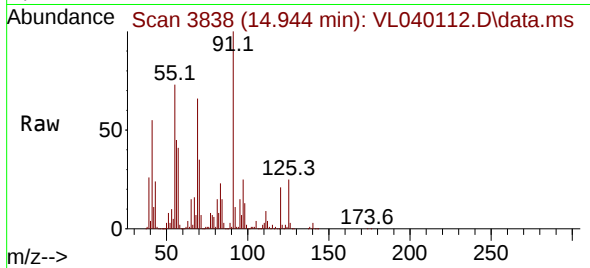
Tgt Ion:105 Resp: 2838477
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.2





#64
n-propylbenzene
Concen: 6.014 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. 0.023 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

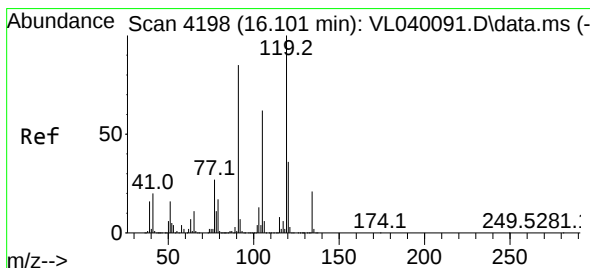
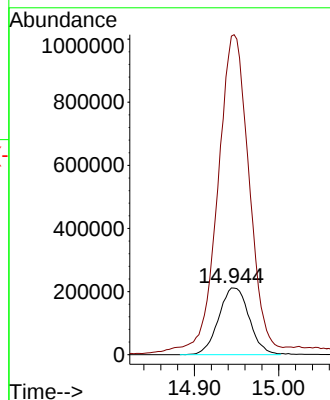
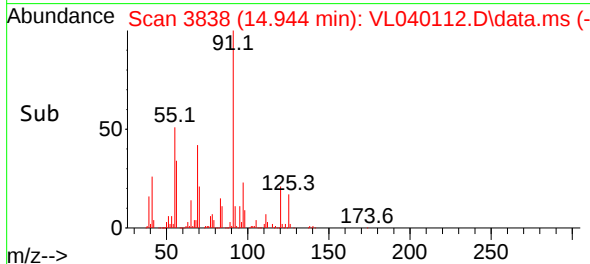
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion:120 Resp: 530660
Ion Ratio Lower Upper
120 100
91 510.4 397.0 595.4

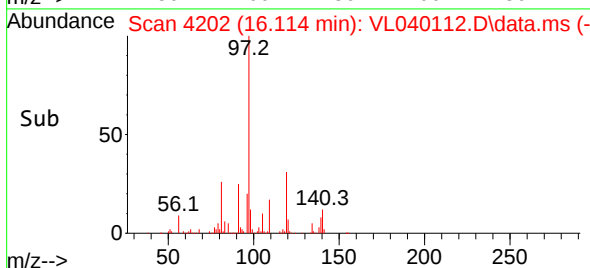
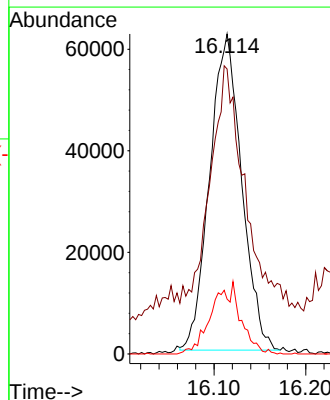
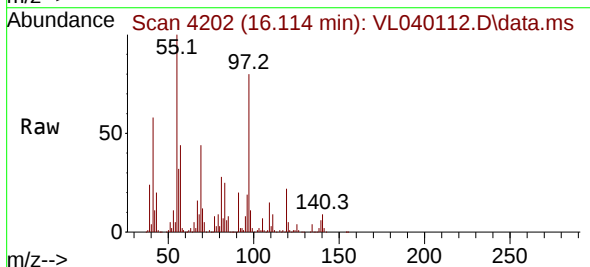
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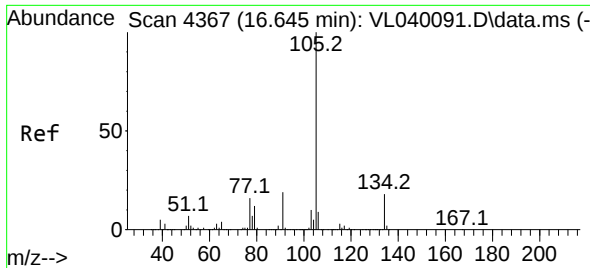
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#65
tert-Butylbenzene
Concen: 0.496 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. 0.013 min
Lab File: VL040112.D
Acq: 19 Jan 2023 14:21

Tgt Ion:119 Resp: 150768
Ion Ratio Lower Upper
119 100
91 105.3 69.5 104.3#
134 20.8 15.8 23.8





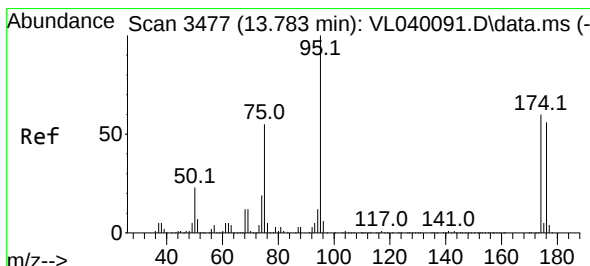
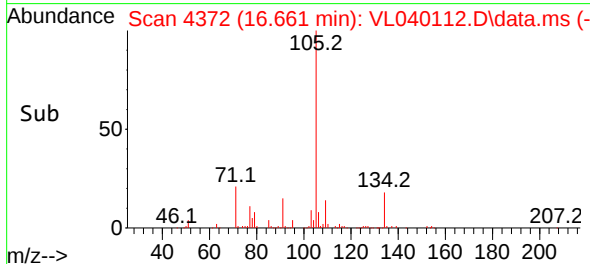
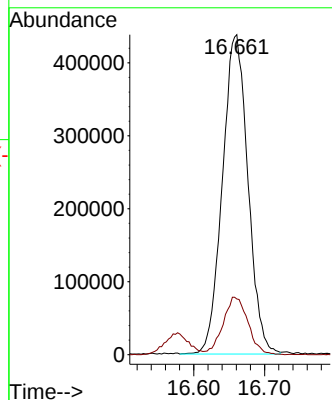
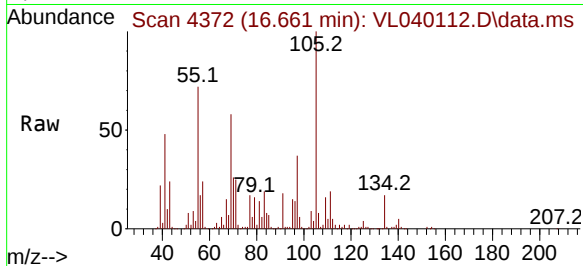
#67
 sec-Butylbenzene
 Concen: 2.541 ppbv
 RT: 16.661 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL040112.D
 Acq: 19 Jan 2023 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Tgt Ion:105 Resp: 109492
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.1 21.1

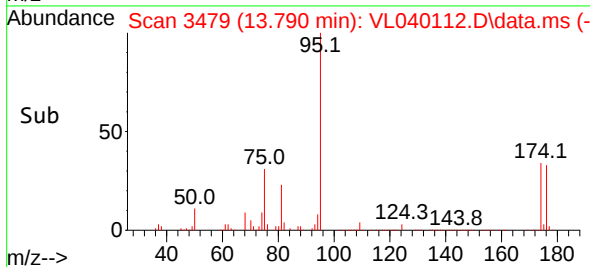
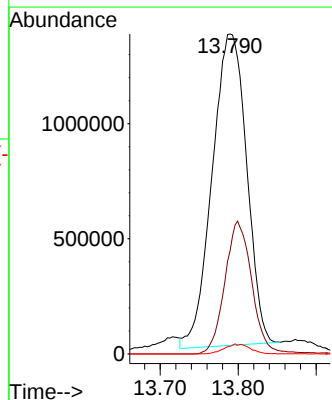
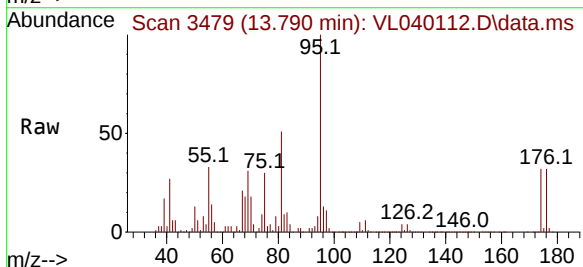
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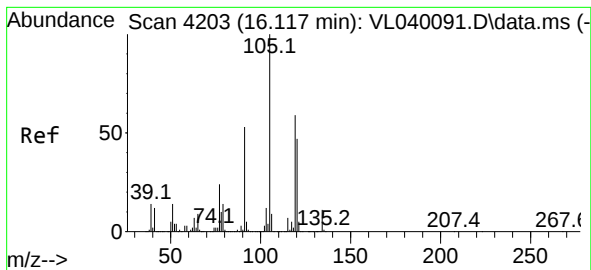
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 19.275 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.006 min
 Lab File: VL040112.D
 Acq: 19 Jan 2023 14:21

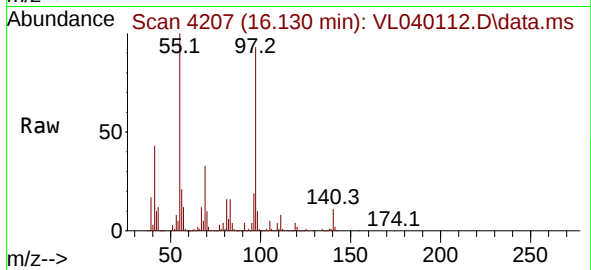
Tgt Ion: 95 Resp: 4151020
 Ion Ratio Lower Upper
 95 100
 174 33.9 47.7 71.5#
 175 2.4 3.4 5.2#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.302 ppbv
 RT: 16.130 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040112.D
 Acq: 19 Jan 2023 14:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL



Tgt Ion:	105	Resp:	82534
Ion Ratio	Lower	Upper	
105	100		
120	42.5	38.0	57.0
91	58.3	42.1	63.1
77	29.5	19.3	28.9#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

