

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020224\
 Data File : VX040083.D
 Acq On : 02 Feb 2024 13:44
 Operator : JC/MD
 Sample : P1342-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-323P-GW-20240131-0

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/05/2024
 Supervised By : Semsettin Yesilyurt 02/05/2024

Quant Time: Feb 03 02:15:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	80190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	149441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59550	46.143	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.280%		
35) Dibromofluoromethane	5.391	113	46515	45.724	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.440%		
50) Toluene-d8	8.647	98	189938	49.926	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.860%		
62) 4-Bromofluorobenzene	11.079	95	75249	51.368	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.740%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	41257	176.184	ug/l #	90
16) Acetone	2.380	43	3258	5.388	ug/l #	82
17) Carbon Disulfide	2.520	76	851	0.323	ug/l #	65
19) Methyl tert-butyl Ether	3.111	73	34600	11.199	ug/l #	85
20) Methylene Chloride	2.788	84	955	0.889	ug/l	93
25) 2-Butanone	4.580	43	1752	2.084	ug/l #	75
30) Chloroform	5.105	83	1572	0.812	ug/l #	73
31) Cyclohexane	5.464	56	8807	5.448	ug/l #	81
39) Methylcyclohexane	7.379	83	24757	13.830	ug/l	98
40) Benzene	6.037	78	28376	6.622	ug/l	98
52) Toluene	8.720	92	6548	2.452	ug/l	96
65) Chlorobenzene	10.079	112	3732	1.221	ug/l #	88
67) Ethyl Benzene	10.195	91	3292337	600.236	ug/l	99
68) m/p-Xylenes	10.299	106	29946m	14.512	ug/l	
69) o-Xylene	10.640	106	5888	3.008	ug/l	84
73) Isopropylbenzene	10.963	105	730987	141.045	ug/l	99
78) n-propylbenzene	11.305	91	2517106	394.676	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1038893	233.192	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	5555897	1249.760	ug/l	94
85) sec-Butylbenzene	11.890	105	94445m	16.721	ug/l	
86) p-Isopropyltoluene	12.012	119	42413	9.196	ug/l #	73
89) n-Butylbenzene	12.329	91	243206	54.328	ug/l #	43
91) 1,2-Dichlorobenzene	12.335	146	1582	0.680	ug/l #	83

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

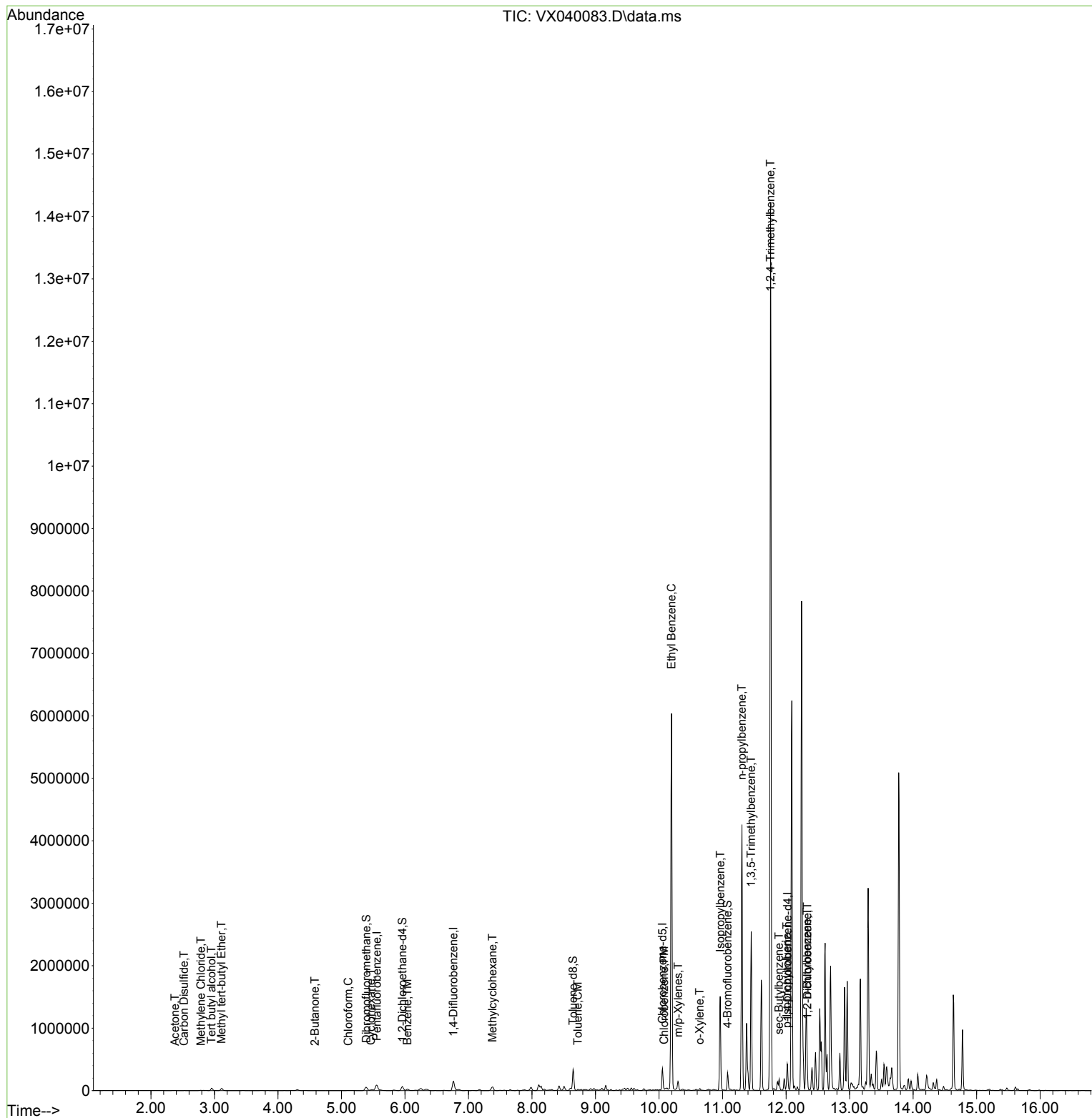
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020224\
Data File : VX040083.D
Acq On : 02 Feb 2024 13:44
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

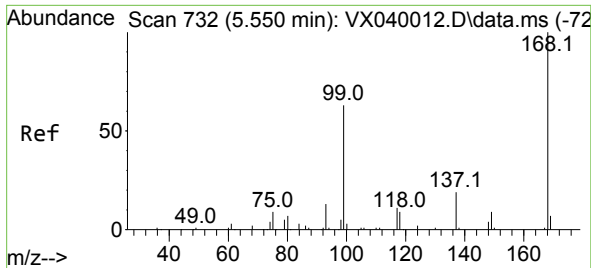
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0

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Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024

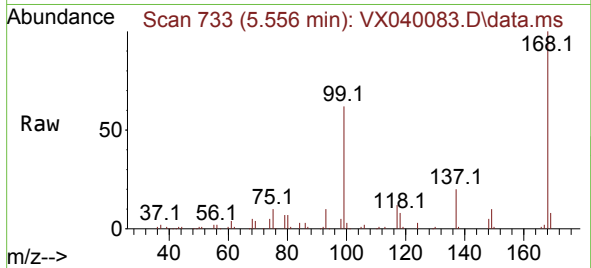
Quant Time: Feb 03 02:15:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

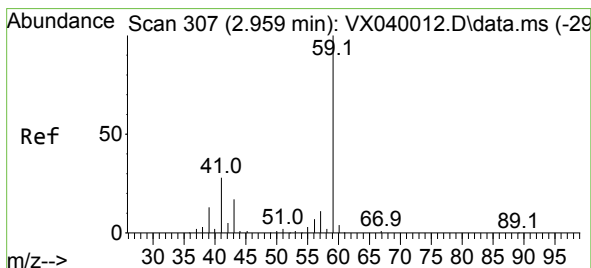
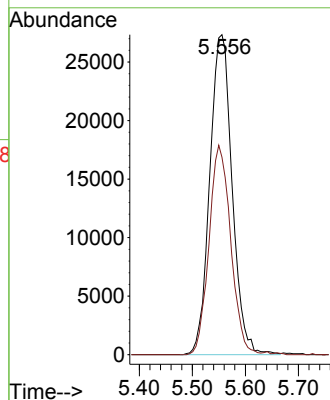
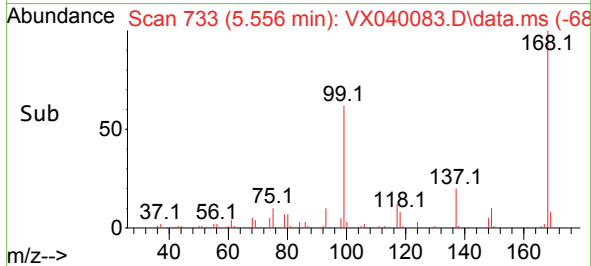
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion:168 Resp: 80190
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0

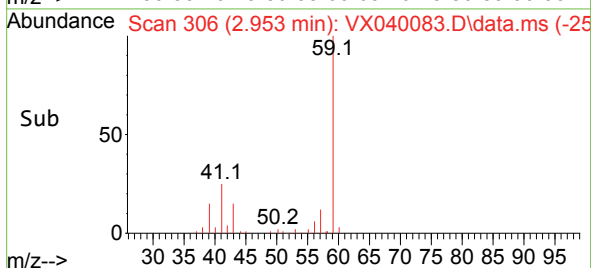
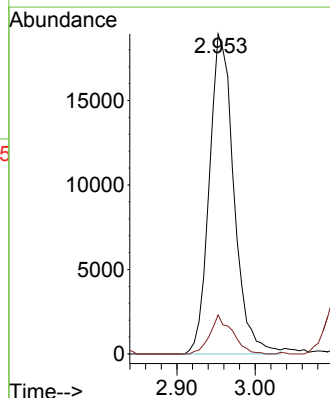
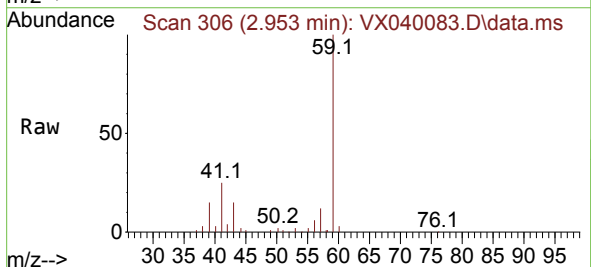
Manual Integrations
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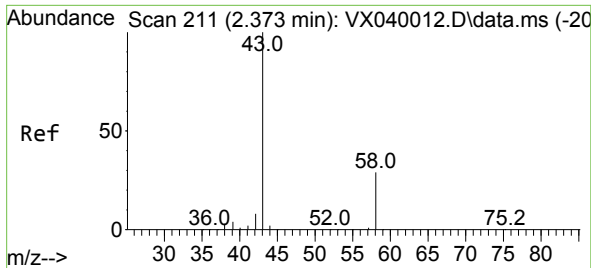
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#11
Tert butyl alcohol
Concen: 176.184 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

Tgt Ion: 59 Resp: 41257
Ion Ratio Lower Upper
59 100
57 11.2 6.0 9.0#





#16

Acetone

Concen: 5.388 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

MR-323P-GW-20240131-0

Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

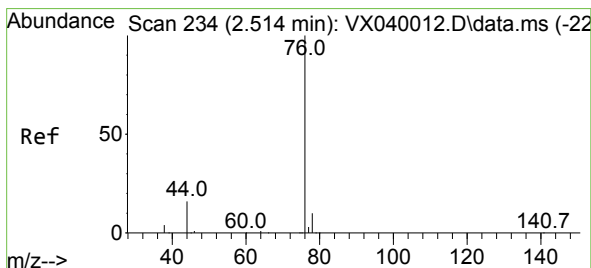
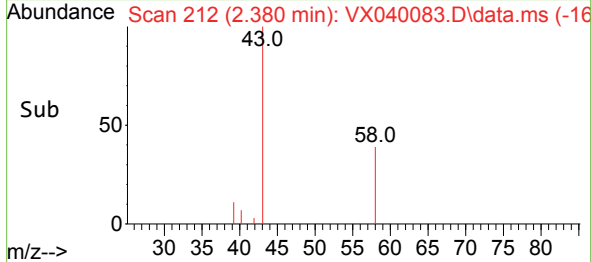
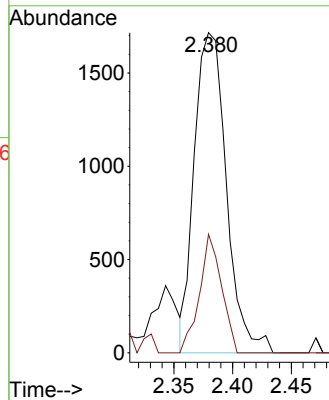
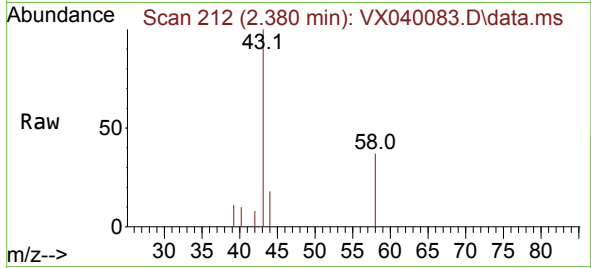
58 37.0 21.9 32.9

Manual Integrations

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#17

Carbon Disulfide

Concen: 0.323 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.006 min

Lab File: VX040083.D

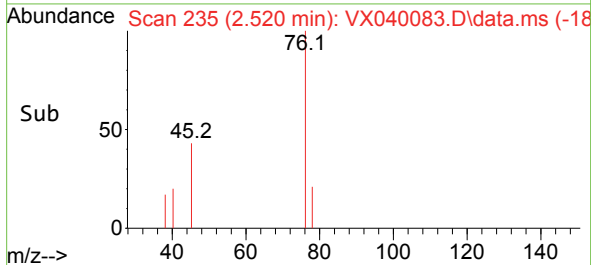
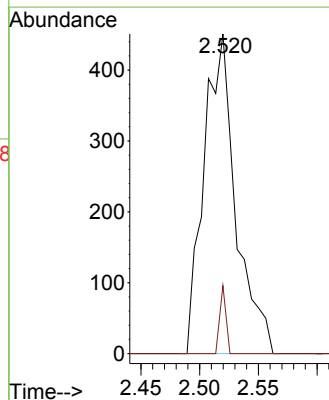
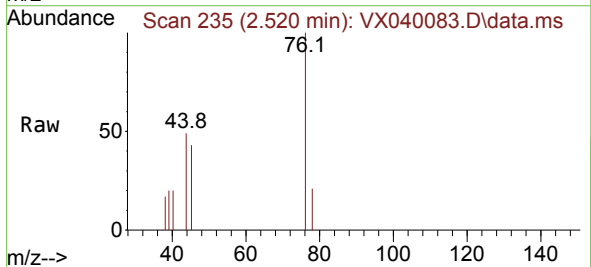
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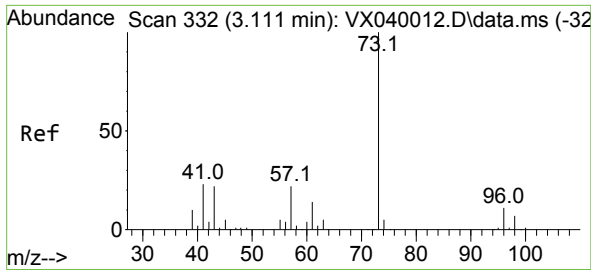
Tgt Ion: 76 Resp: 851

Ion Ratio Lower Upper

76 100

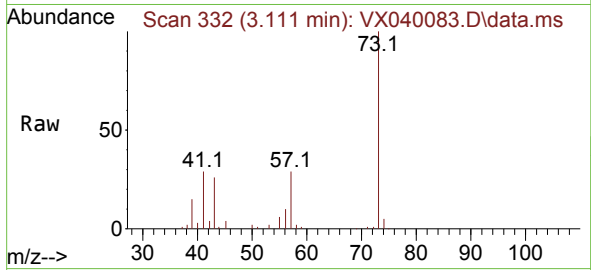
78 21.3 7.0 10.6





#19
Methyl tert-butyl Ether
Concen: 11.199 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

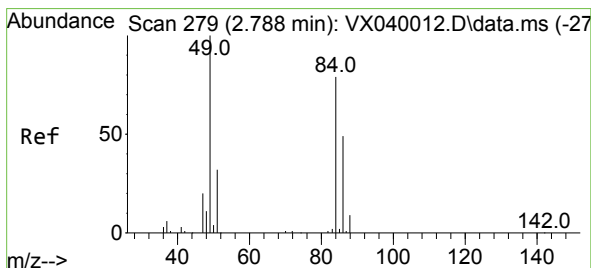
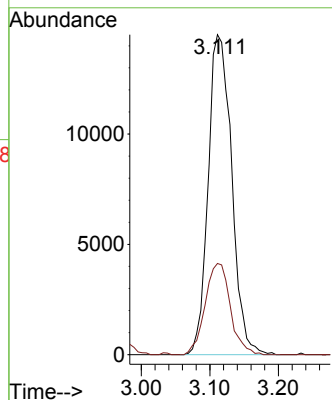
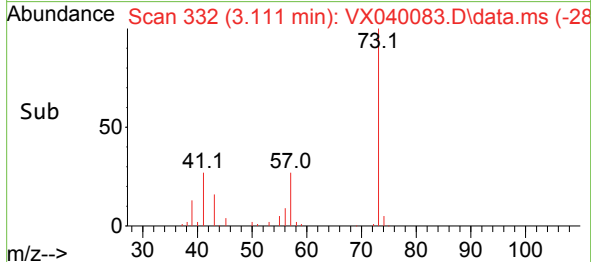
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion: 73 Resp: 34600
Ion Ratio Lower Upper
73 100
57 28.5 17.3 25.9

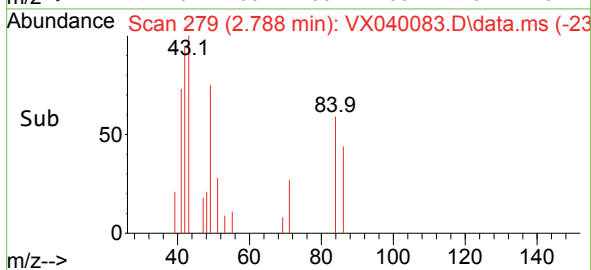
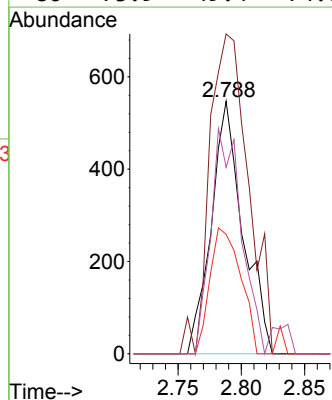
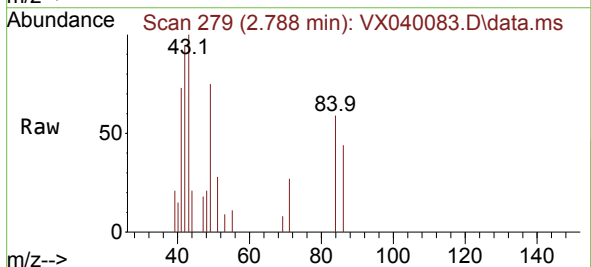
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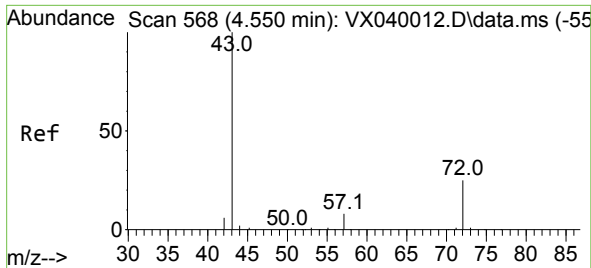
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#20
Methylene Chloride
Concen: 0.889 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

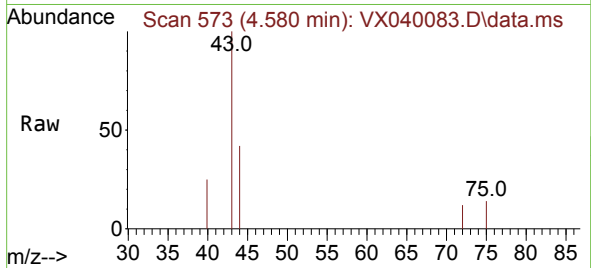
Tgt Ion: 84 Resp: 955
Ion Ratio Lower Upper
84 100
49 126.7 103.6 155.4
51 47.3 33.8 50.6
86 73.9 49.4 74.0





#25
2-Butanone
Concen: 2.084 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

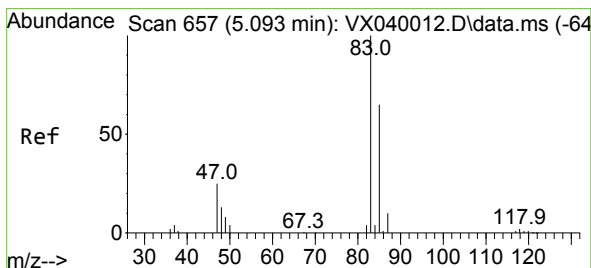
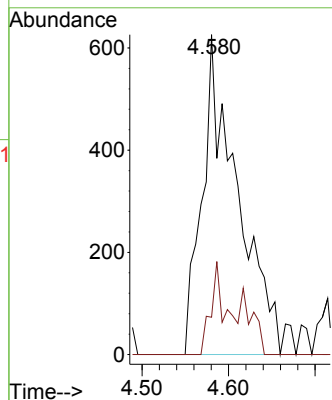
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
72 11.7 19.4 29.2

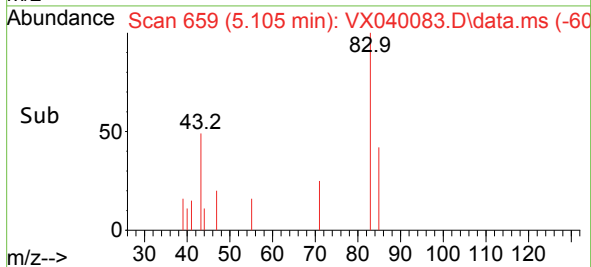
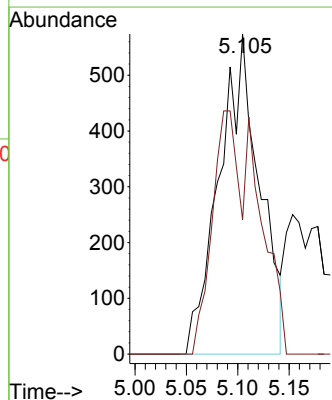
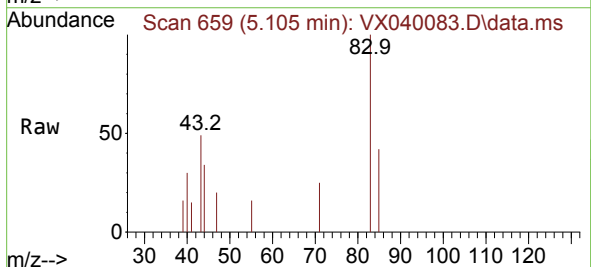
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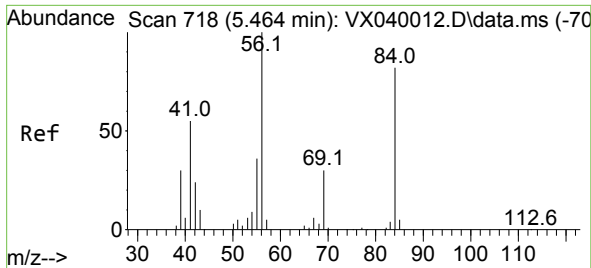
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#30
Chloroform
Concen: 0.812 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

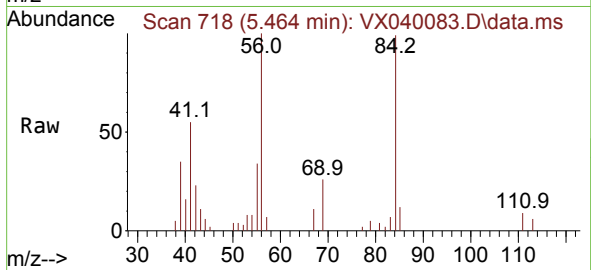
Tgt Ion: 83 Resp: 1572
Ion Ratio Lower Upper
83 100
85 42.0 50.3 75.5





#31
Cyclohexane
Concen: 5.448 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

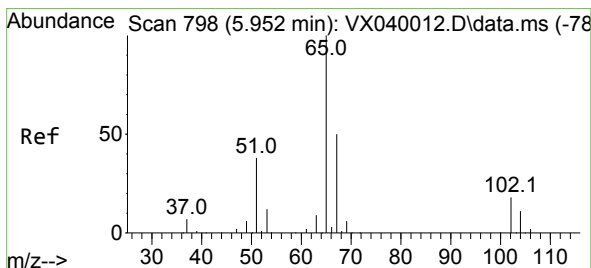
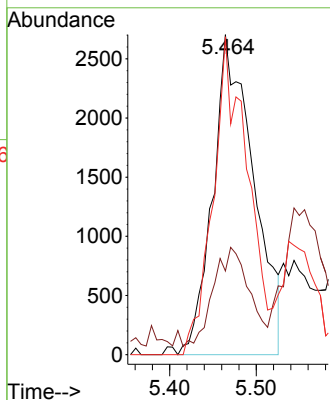
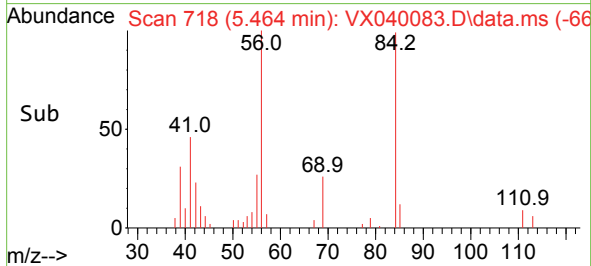
Instrument : MSVOA_X
ClientSampleId : MR-323P-GW-20240131-0



Tgt Ion: 56 Resp: 880
Ion Ratio Lower Upper
56 100
69 18.6 23.4 35.2
84 99.4 65.9 98.9

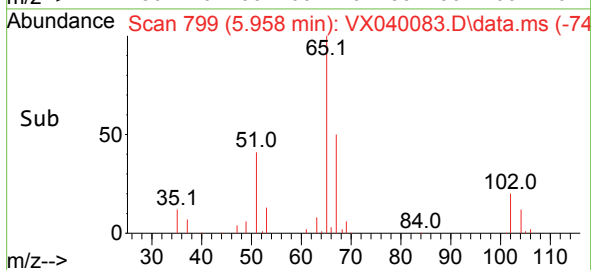
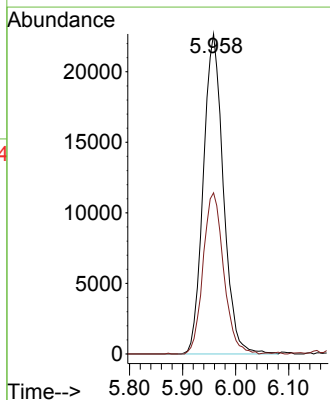
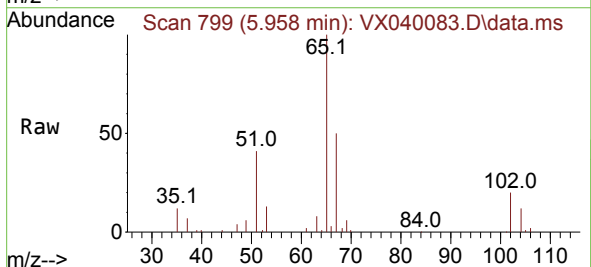
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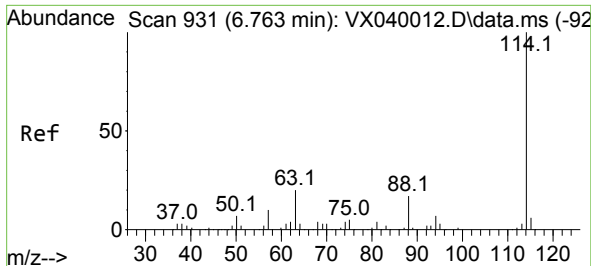
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#33
1,2-Dichloroethane-d4
Concen: 46.143 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

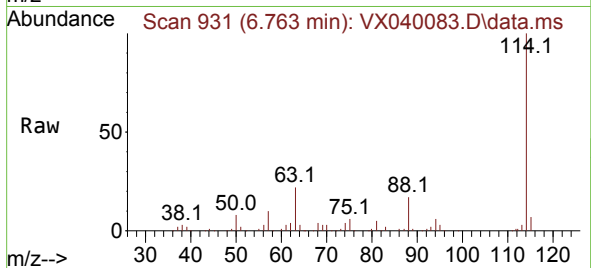
Tgt Ion: 65 Resp: 59550
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

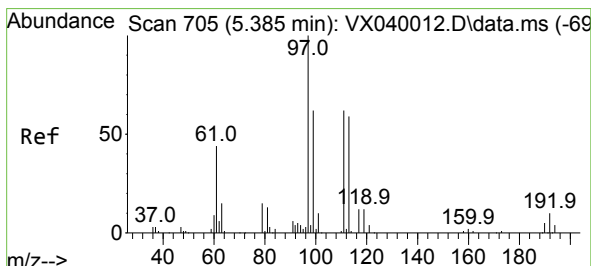
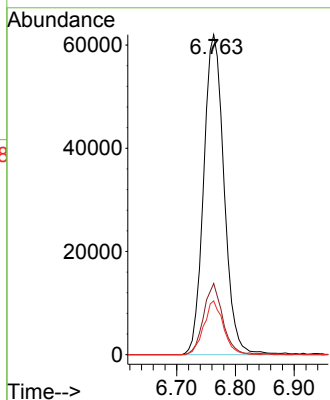
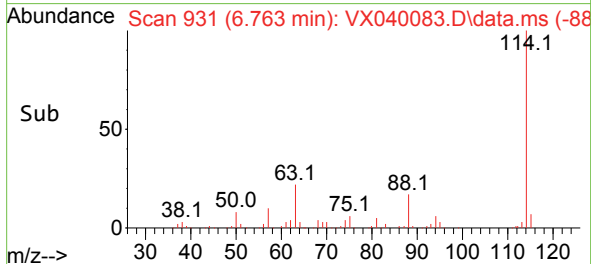
Instrument :
MSVOA_X
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MR-323P-GW-20240131-0



Tgt Ion:114 Resp: 14944
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.8 0.0 36.6

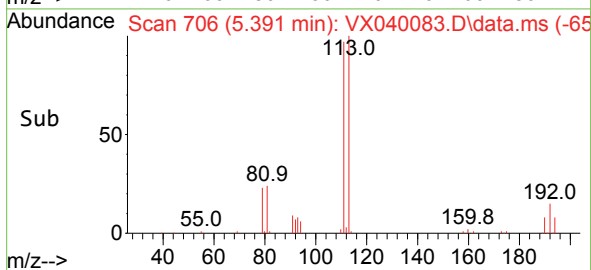
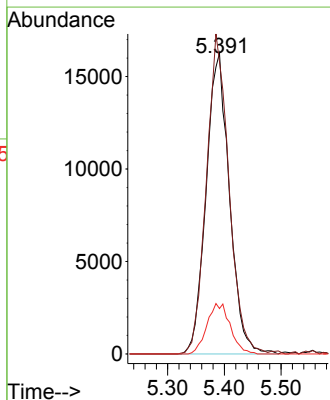
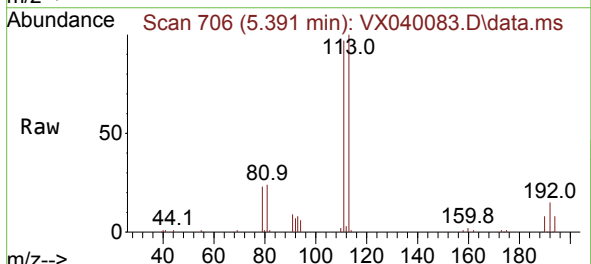
Manual Integrations
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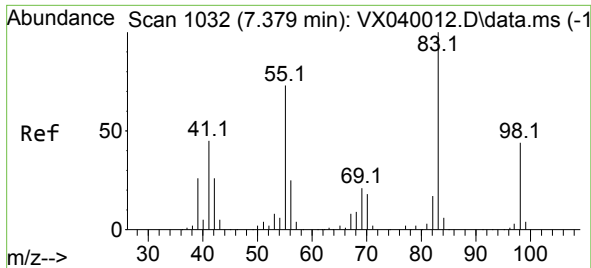
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#35
Dibromofluoromethane
Concen: 45.724 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

Tgt Ion:113 Resp: 46515
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 16.8 13.3 19.9





#39

Methylcyclohexane

Concen: 13.830 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

Instrument :

MSVOA_X

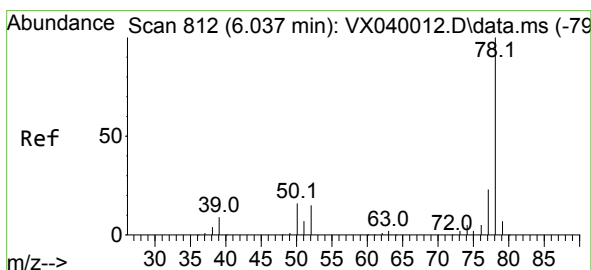
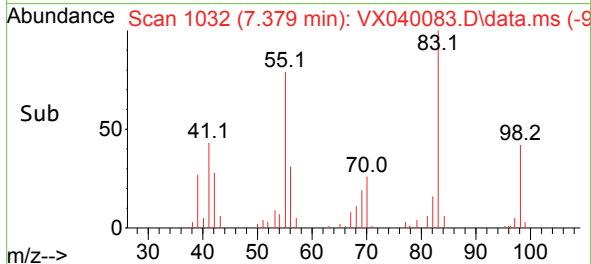
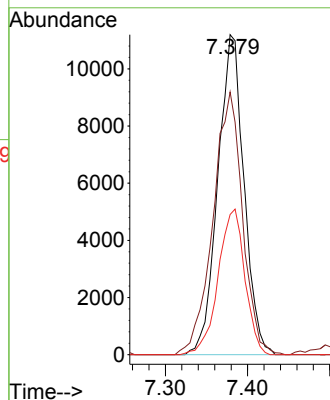
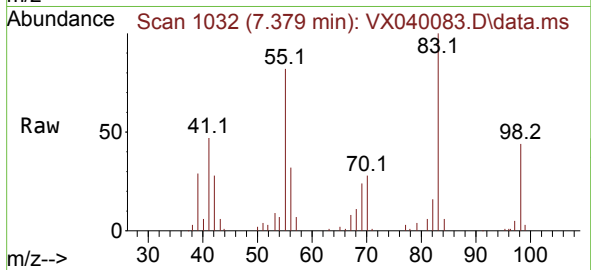
ClientSampleId :

MR-323P-GW-20240131-0

Tgt Ion: 83	Resp: 2475
Ion Ratio	Lower Upper
83	100
55	81.6 64.6 97.0
98	43.8 36.7 55.1

Manual Integrations
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Supervised By :Semsettin Yesilyurt 02/05/2024



#40

Benzene

Concen: 6.622 ug/l

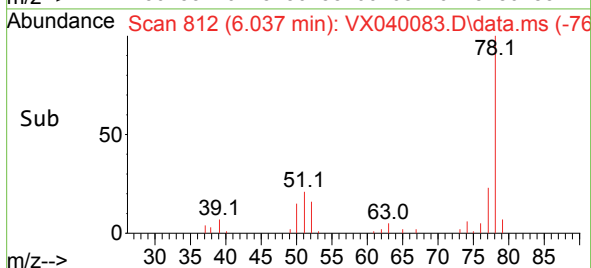
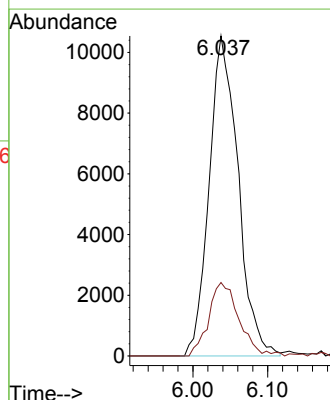
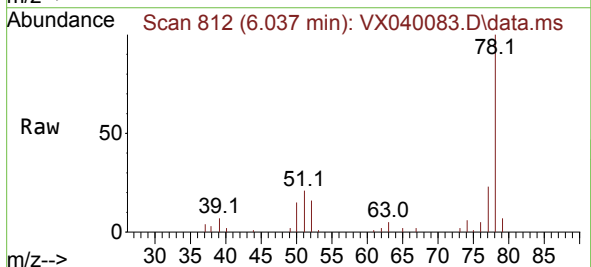
RT: 6.037 min Scan# 812

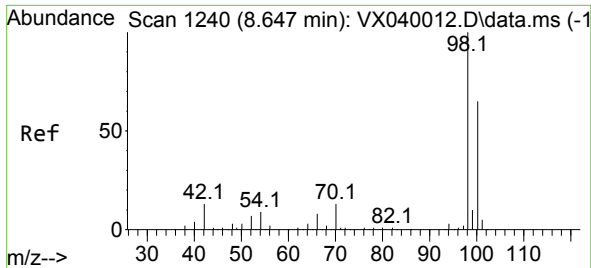
Delta R.T. -0.000 min

Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

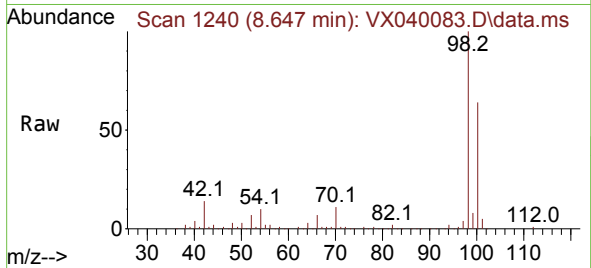
Tgt Ion: 78	Resp: 28376
Ion Ratio	Lower Upper
78	100
77	23.0 19.3 28.9





#50
Toluene-d8
Concen: 49.926 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

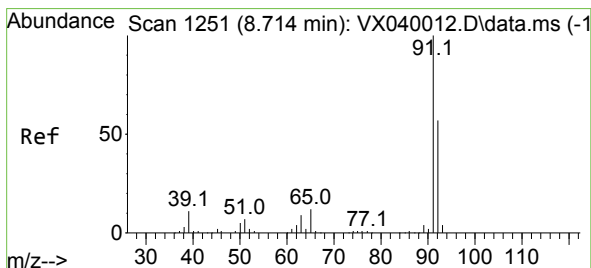
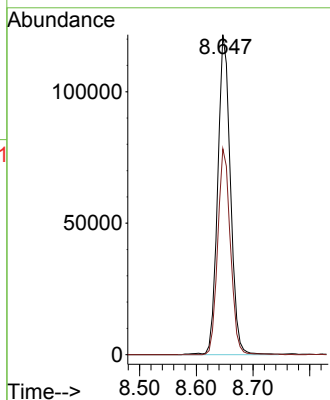
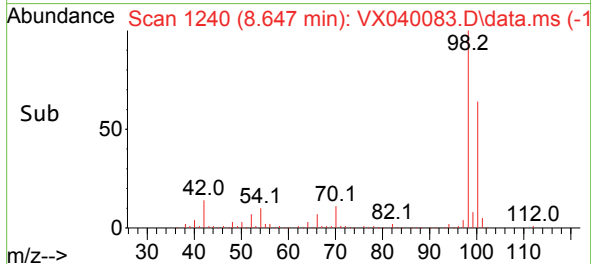
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



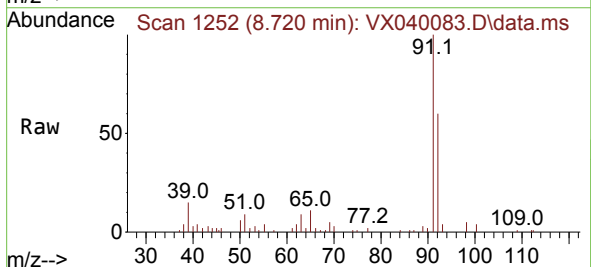
Tgt Ion: 98 Resp: 189938
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

Manual Integrations
APPROVED

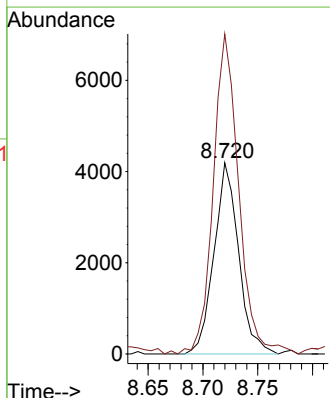
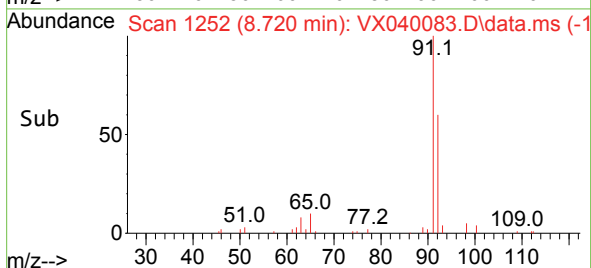
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024

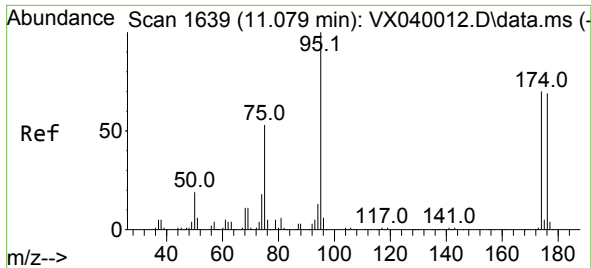


#52
Toluene
Concen: 2.452 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44



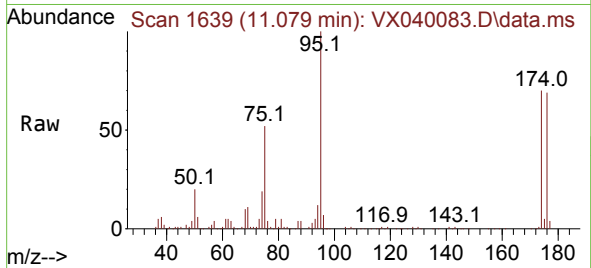
Tgt Ion: 92 Resp: 6548
Ion Ratio Lower Upper
92 100
91 173.2 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 51.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

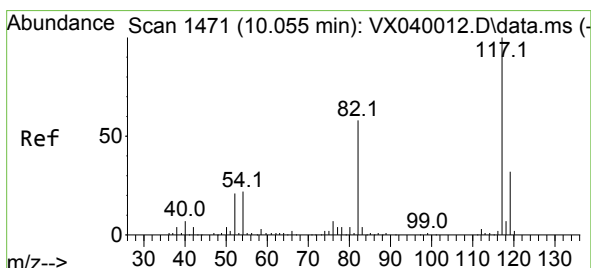
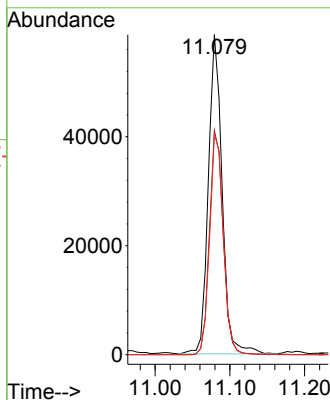
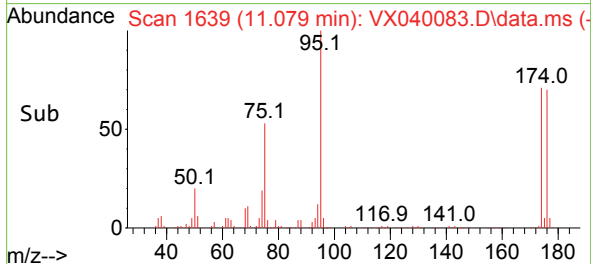
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



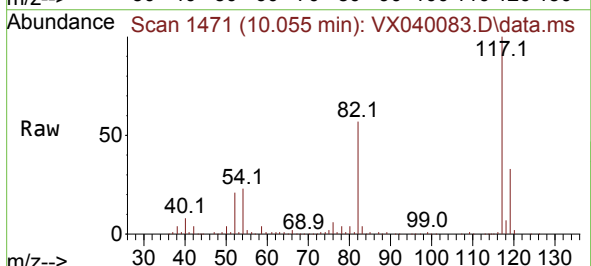
Tgt Ion: 95 Resp: 75249
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.6
176 68.6 0.0 131.0

Manual Integrations
APPROVED

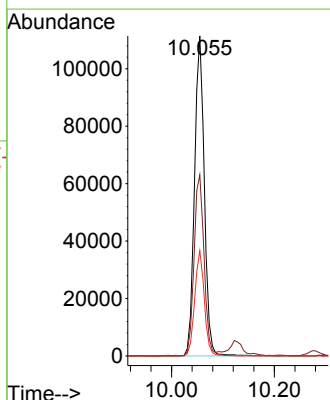
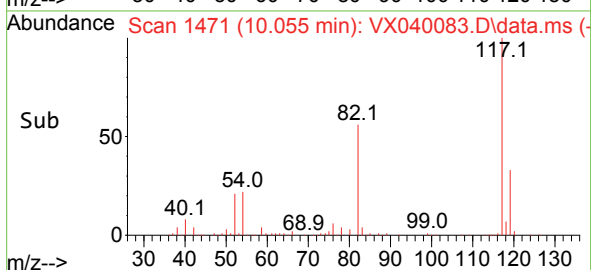
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024

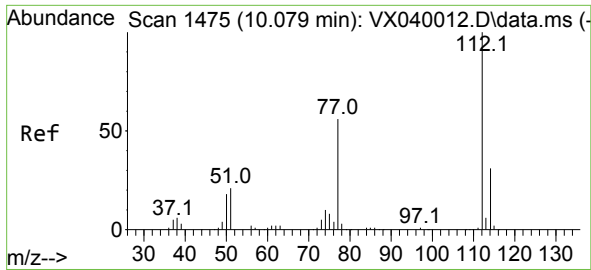


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44



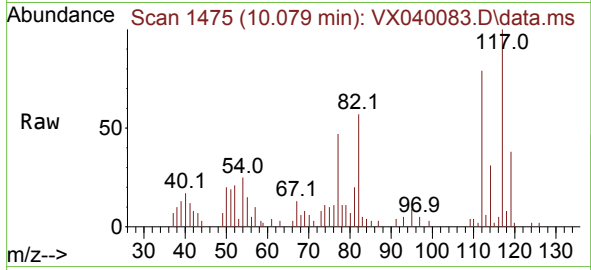
Tgt Ion:117 Resp: 147901
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.9 25.5 38.3





#65
Chlorobenzene
Concen: 1.221 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

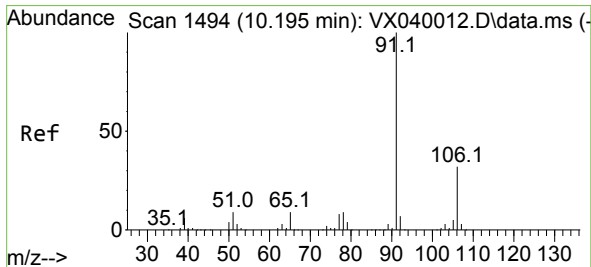
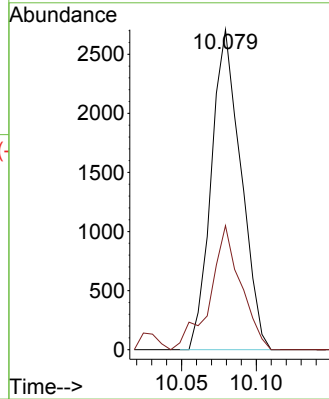
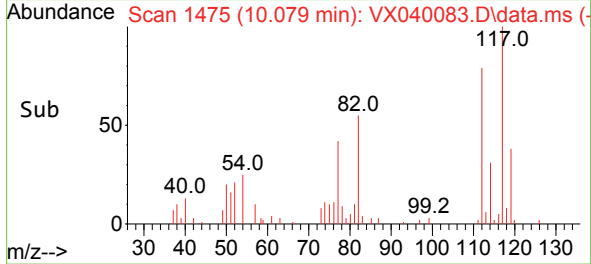
Instrument : MSVOA_X
ClientSampleId : MR-323P-GW-20240131-0



Tgt Ion:112 Resp: 3732
Ion Ratio Lower Upper
112 100
114 38.7 25.7 38.5

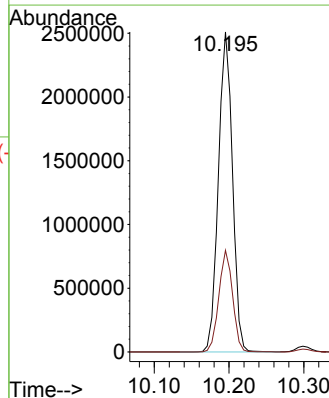
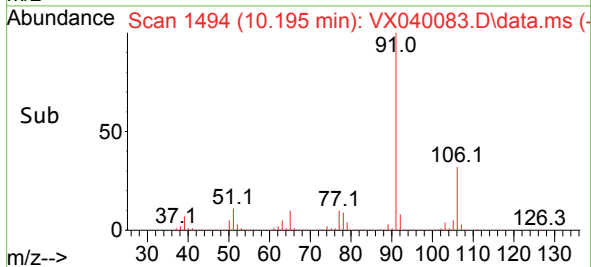
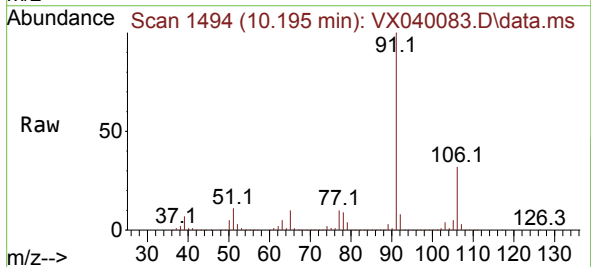
Manual Integrations
APPROVED

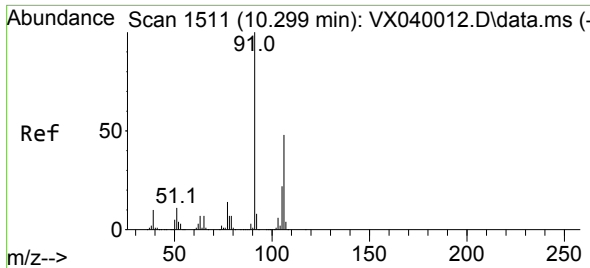
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#67
Ethyl Benzene
Concen: 600.236 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

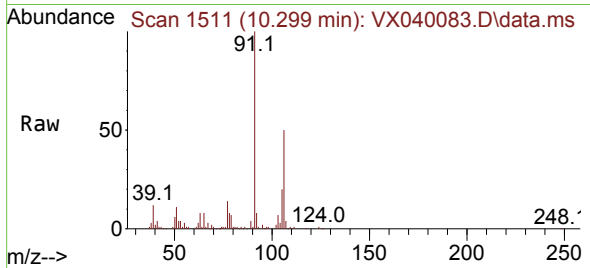
Tgt Ion: 91 Resp: 3292337
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3





#68
m/p-Xylenes
Concen: 14.512 ug/l m
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

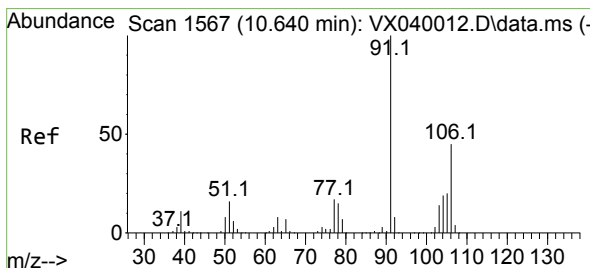
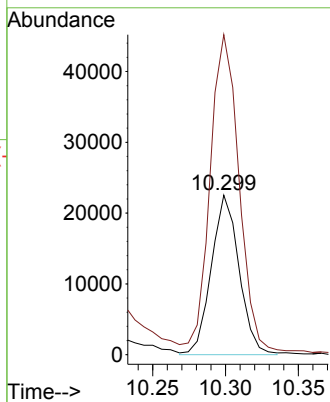
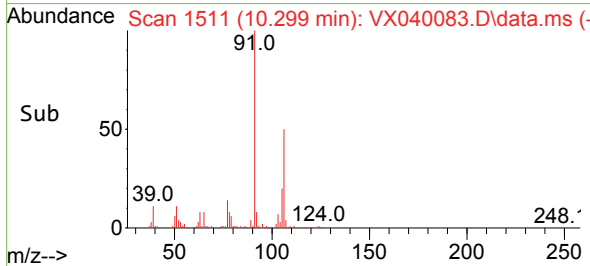
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion:106 Resp: 29940
Ion Ratio Lower Upper
106 100
91 10994.2 165.5 248

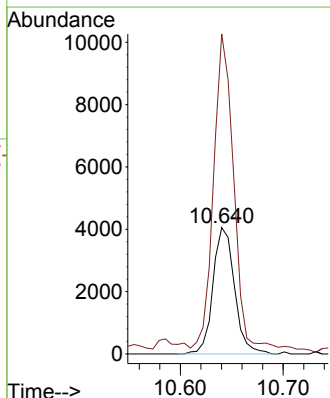
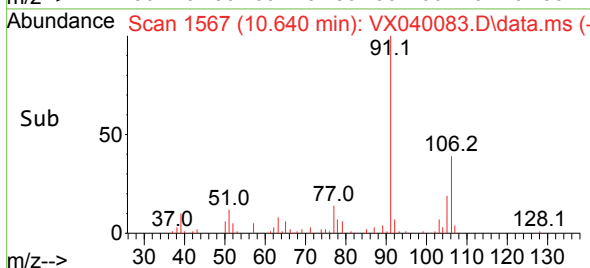
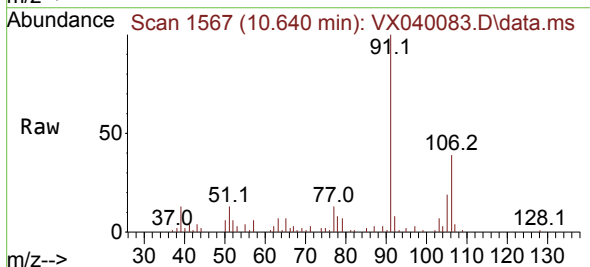
Manual Integrations
APPROVED

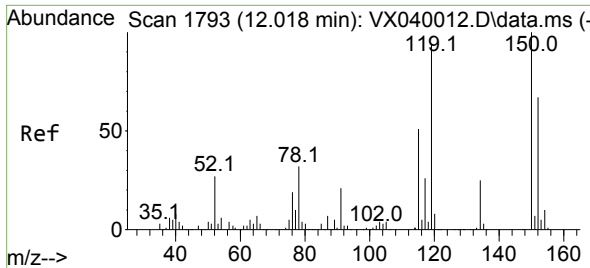
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#69
o-Xylene
Concen: 3.008 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

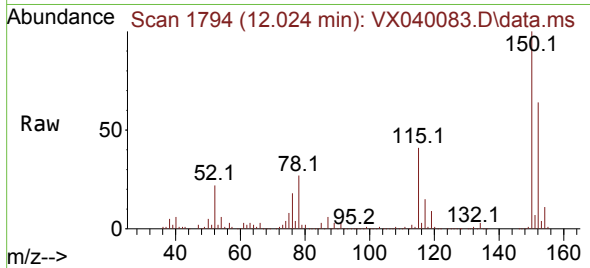
Tgt Ion:106 Resp: 5888
Ion Ratio Lower Upper
106 100
91 243.6 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

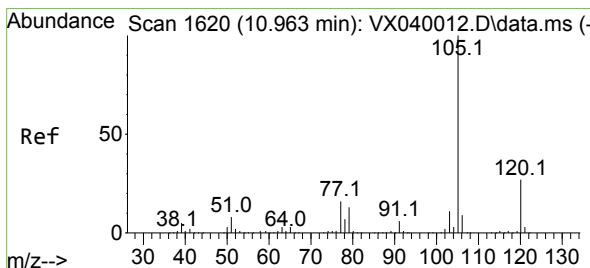
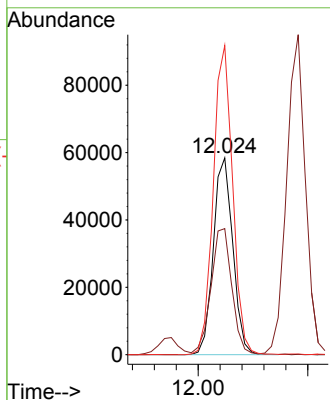
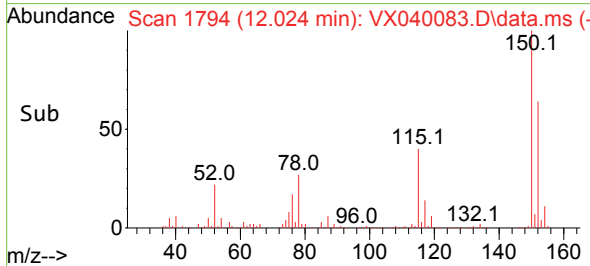
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion:152 Resp: 72174
Ion Ratio Lower Upper
152 100
115 67.3 43.3 129.9
150 155.8 0.0 345.0

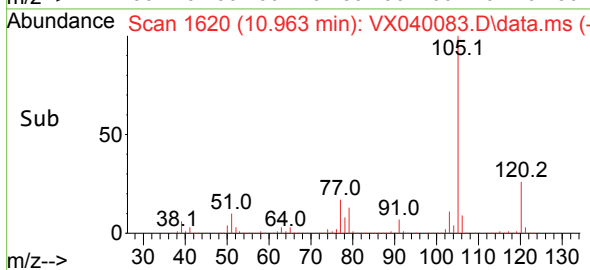
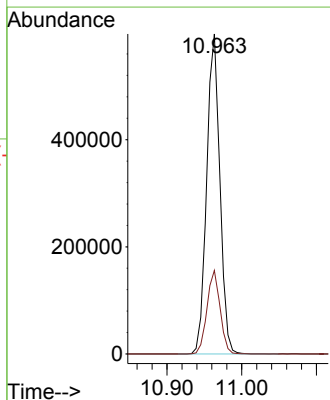
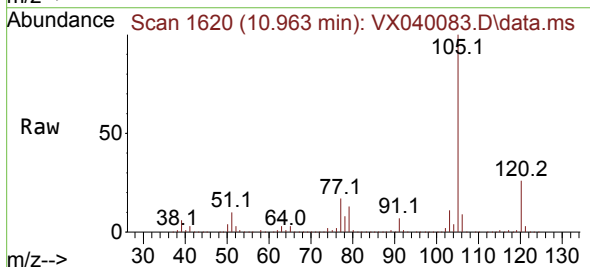
Manual Integrations
APPROVED

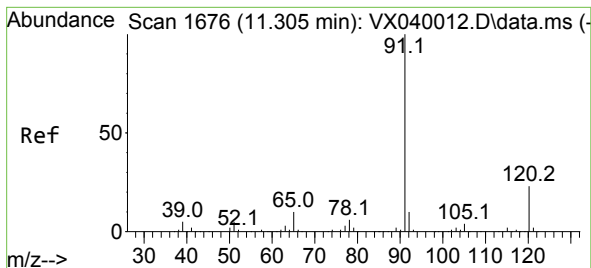
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#73
Isopropylbenzene
Concen: 141.045 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

Tgt Ion:105 Resp: 730987
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.6





#78

n-propylbenzene

Concen: 394.676 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

MR-323P-GW-20240131-0

Tgt Ion: 91 Resp: 2517100

Ion Ratio Lower Upper

91 100

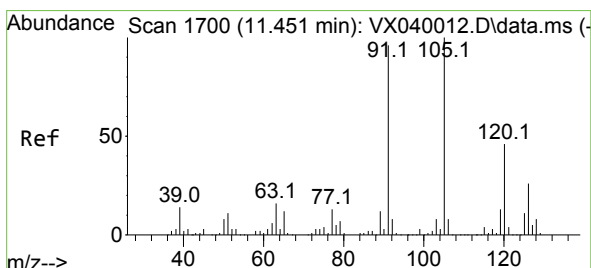
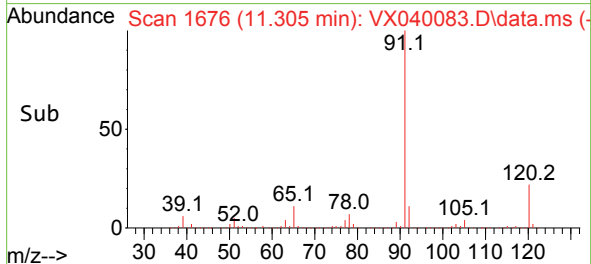
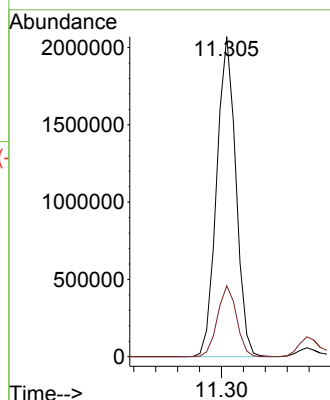
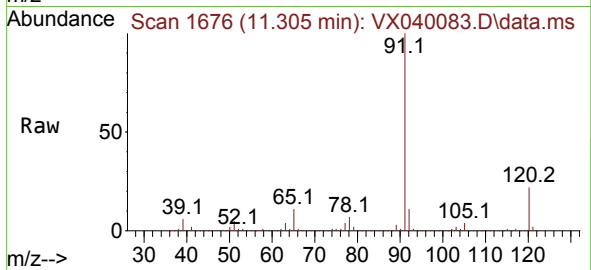
120 22.0 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/05/2024

Supervised By :Semsettin Yesilyurt 02/05/2024



#80

1,3,5-Trimethylbenzene

Concen: 233.192 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040083.D

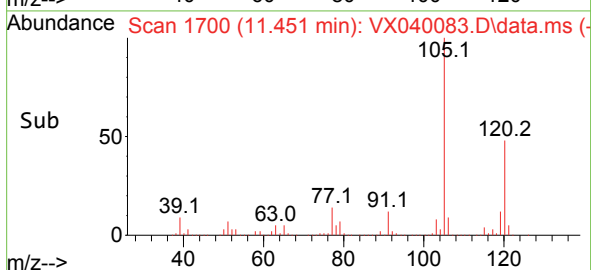
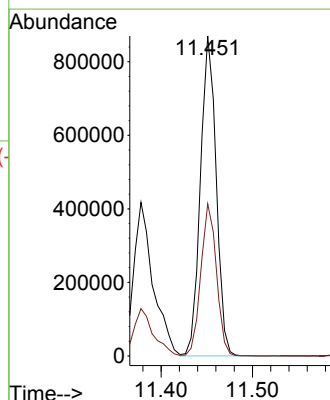
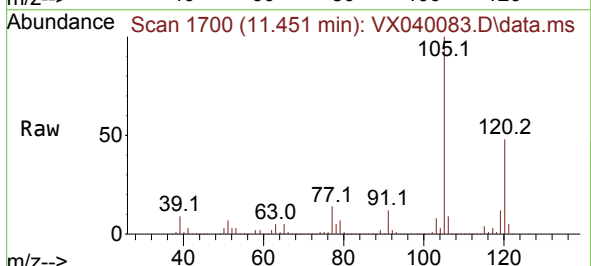
Acq: 02 Feb 2024 13:44

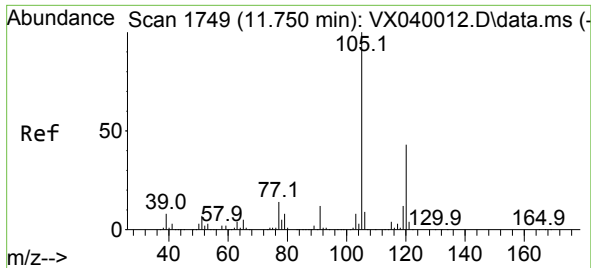
Tgt Ion:105 Resp: 1038893

Ion Ratio Lower Upper

105 100

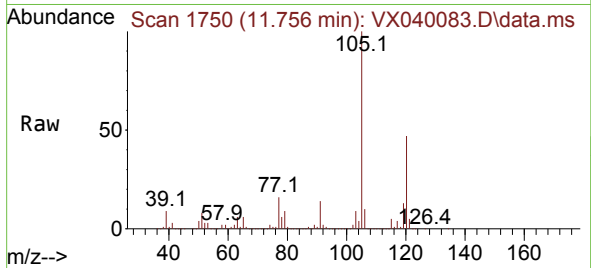
120 47.2 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 1249.760 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

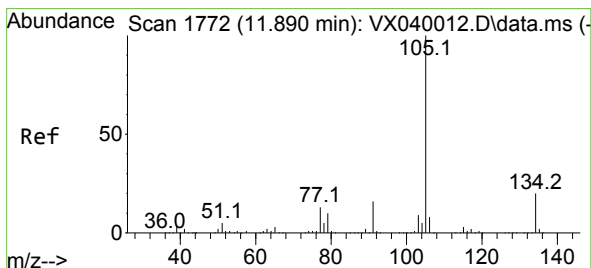
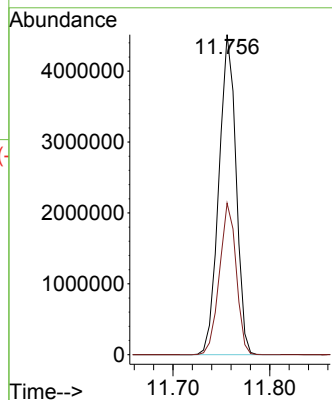
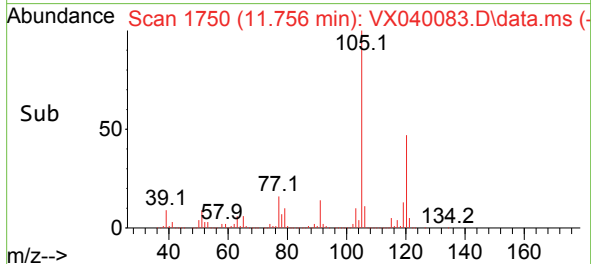
Instrument :
MSVOA_X
ClientSampleId :
MR-323P-GW-20240131-0



Tgt Ion:105 Resp: 555589
Ion Ratio Lower Upper
105 100
120 46.1 21.2 63.6

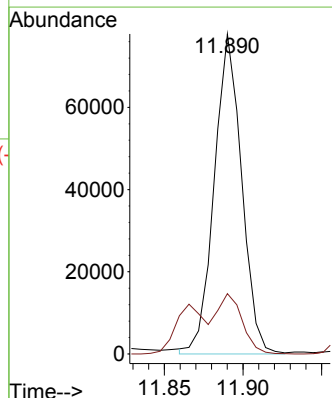
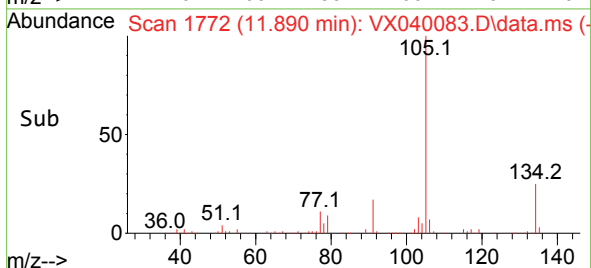
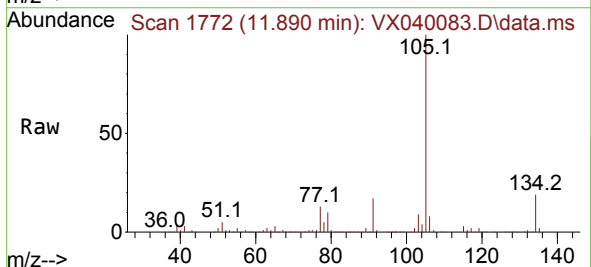
Manual Integrations
APPROVED

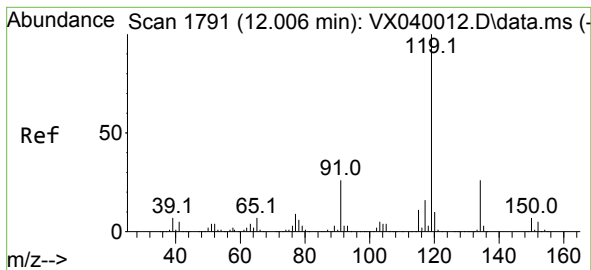
Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024



#85
sec-Butylbenzene
Concen: 16.721 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

Tgt Ion:105 Resp: 94445
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#





#86

p-Isopropyltoluene

Concen: 9.196 ug/l

RT: 12.012 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

MR-323P-GW-20240131-0

Tgt Ion: 119 Resp: 4241

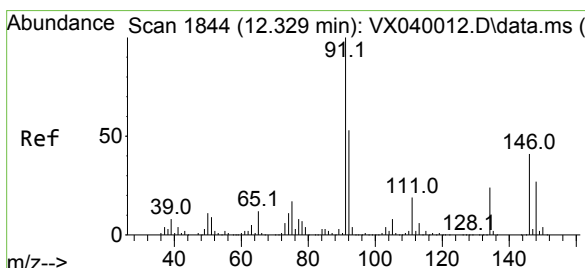
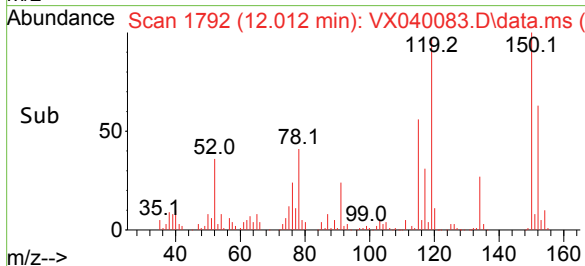
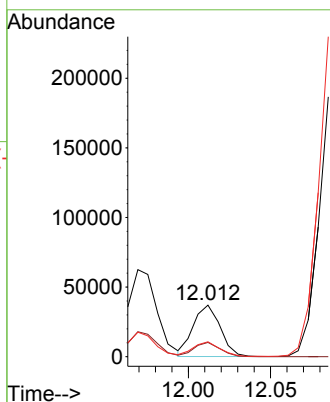
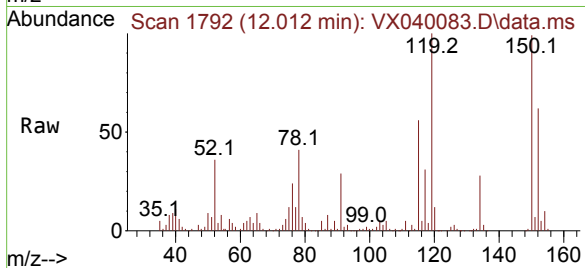
Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.8	38.3
91	0.0	13.1	39.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/05/2024

Supervised By :Semsettin Yesilyurt 02/05/2024



#89

n-Butylbenzene

Concen: 54.328 ug/l

RT: 12.329 min Scan# 1844

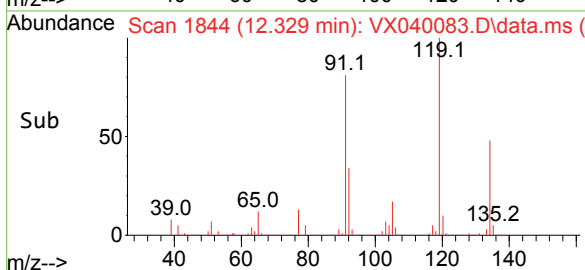
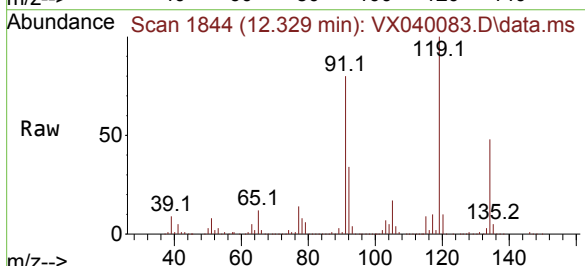
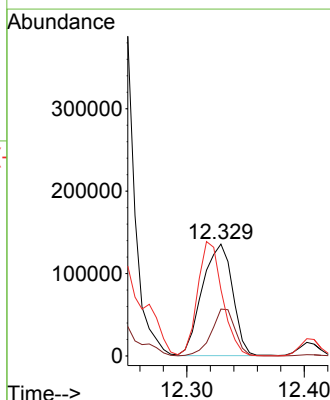
Delta R.T. -0.000 min

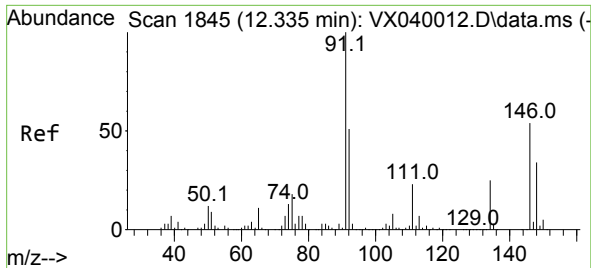
Lab File: VX040083.D

Acq: 02 Feb 2024 13:44

Tgt Ion: 91 Resp: 243206

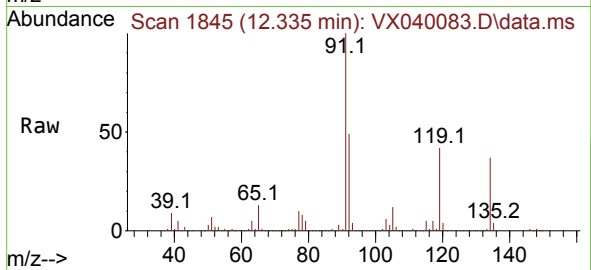
Ion	Ratio	Lower	Upper
91	100		
92	32.8	27.4	82.0
134	83.2	12.6	37.8





#91
1,2-Dichlorobenzene
Concen: 0.680 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040083.D
Acq: 02 Feb 2024 13:44

Instrument : MSVOA_X
ClientSampleId : MR-323P-GW-20240131-0



Tgt Ion:	146	Resp:	158
Ion	Ratio	Lower	Upper
146	100		
111	67.5	22.4	67.0
148	66.3	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/05/2024
Supervised By :Semsettin Yesilyurt 02/05/2024

