

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039514.D
 Acq On : 28 Dec 2023 14:23
 Operator : JC/MD
 Sample : 05993-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E8965C-S-002RE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 22:50:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165086	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69248	48.391	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.780%		
35) Dibromofluoromethane	5.385	113	39922	35.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	70.000%#		
50) Toluene-d8	8.647	98	212238	50.126	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.260%		
62) 4-Bromofluorobenzene	11.079	95	93355	53.438	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.880%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	192144	229.576	ug/l	95
18) Methyl Acetate	2.703	43	3314	1.071	ug/l	96
20) Methylene Chloride	2.788	84	6671	5.592	ug/l	92
25) 2-Butanone	4.574	43	14106	11.423	ug/l	99
39) Methylcyclohexane	7.373	83	2336	1.081	ug/l	96
40) Benzene	6.038	78	37242	7.315	ug/l	95
52) Toluene	8.714	92	64673	21.047	ug/l	95
67) Ethyl Benzene	10.195	91	3541877	515.449	ug/l	100
68) m/p-Xylenes	10.305	106	3676994	1492.454	ug/l	96
69) o-Xylene	10.647	106	2111400	886.366	ug/l	98
73) Isopropylbenzene	10.964	105	1658325	254.574	ug/l	100
78) n-propylbenzene	11.305	91	3785277	471.627	ug/l	98
80) 1,3,5-Trimethylbenzene	11.463	105	6273156	1130.433	ug/l	99
84) 1,2,4-Trimethylbenzene	11.768	105	15309348	2690.177	ug/l	79
85) sec-Butylbenzene	11.890	105	156910m	23.348	ug/l	
86) p-Isopropyltoluene	12.012	119	102519m	18.177	ug/l	
95) Naphthalene	13.774	128	1330352	215.449	ug/l	99

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

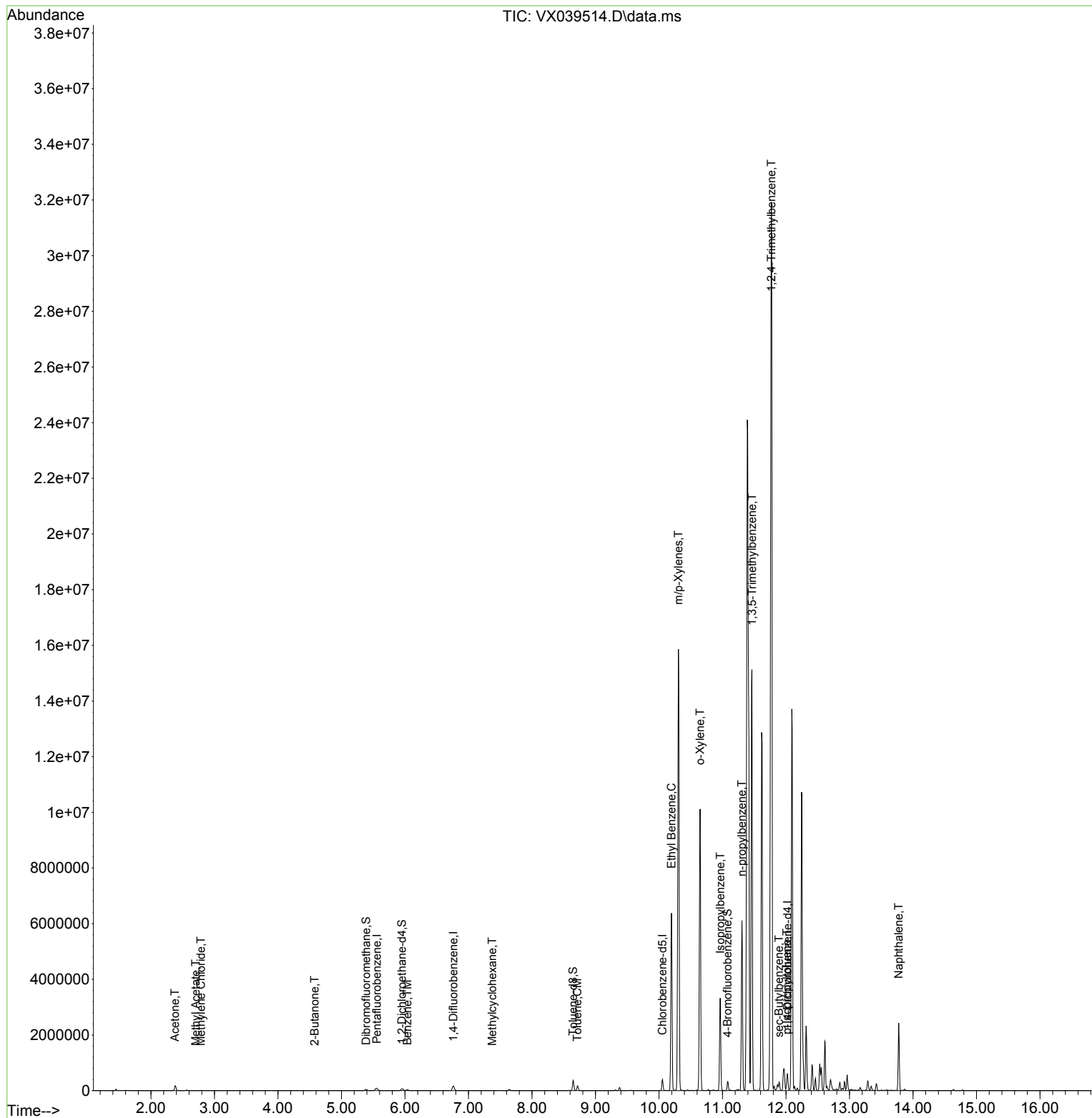
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
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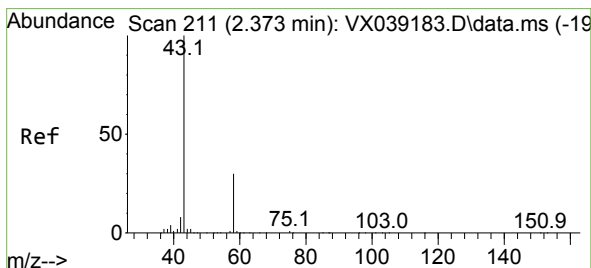
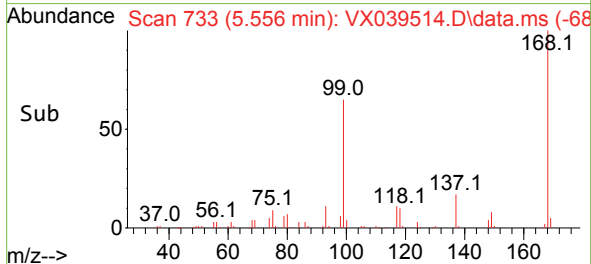
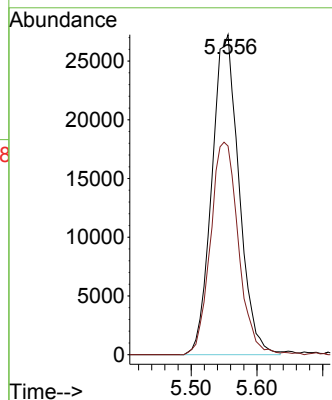
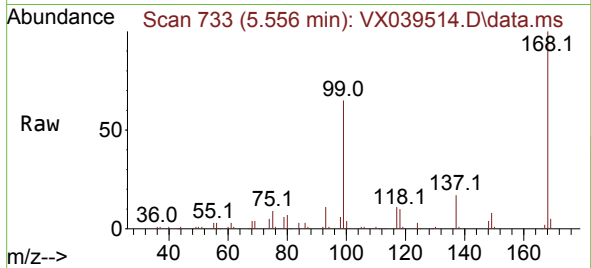
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE

Tgt Ion:168 Resp: 7811
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0

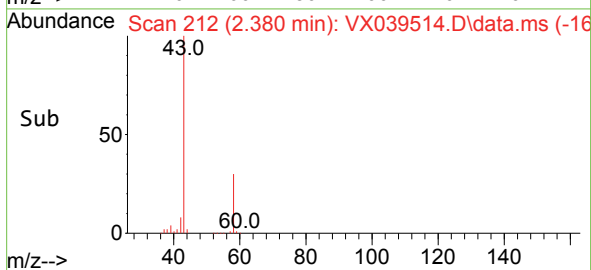
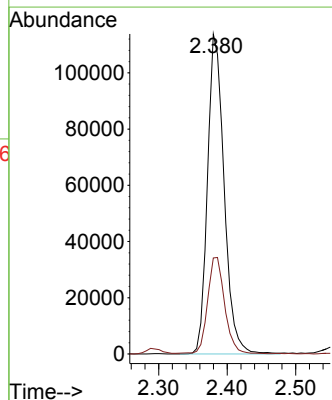
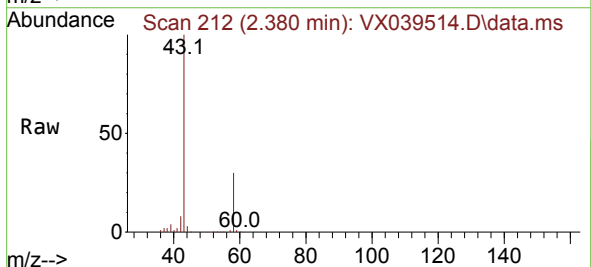
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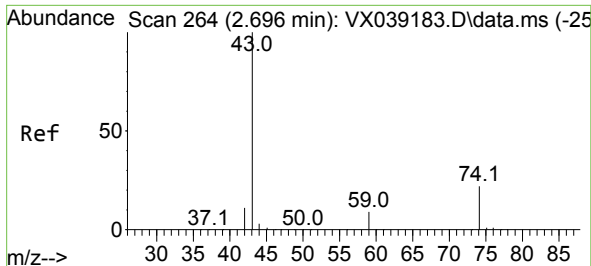
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#16
Acetone
Concen: 229.576 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Tgt Ion: 43 Resp: 192144
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9





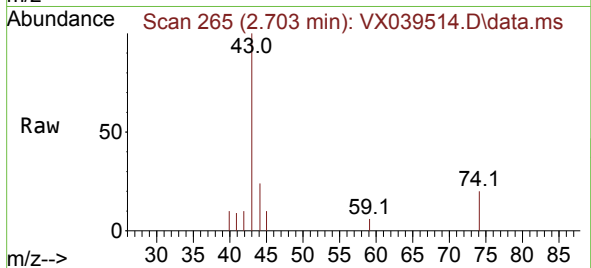
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Methyl Acetate
Concen: 1.071 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

E8965C-S-002RE

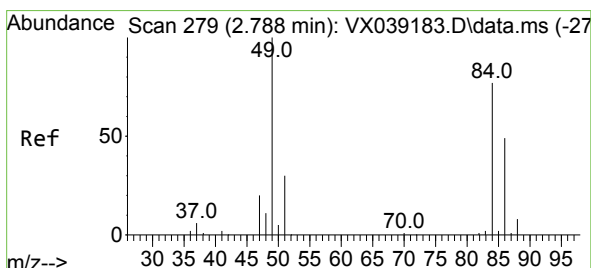
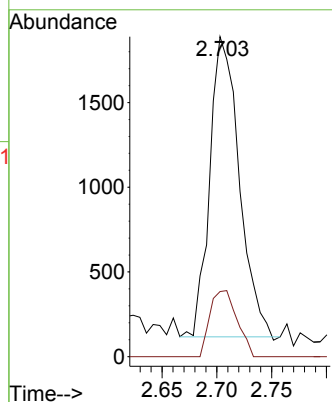


Tgt Ion: 43 Resp: 3314
Ion Ratio Lower Upper
43 100
74 20.2 17.8 26.8

Manual Integrations

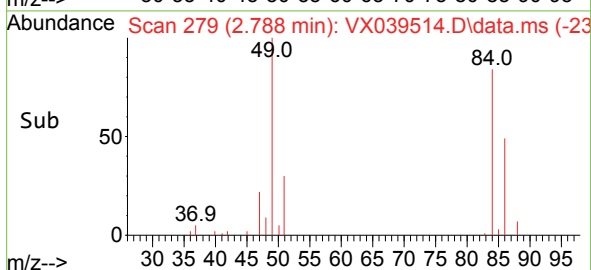
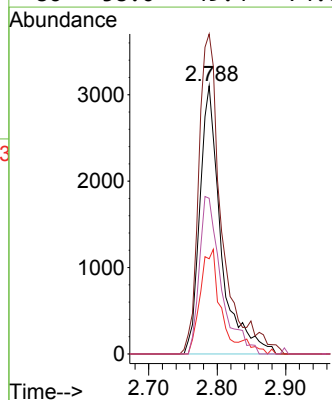
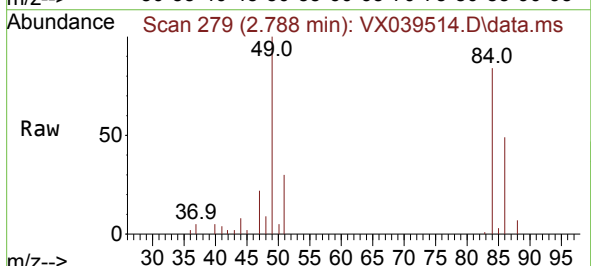
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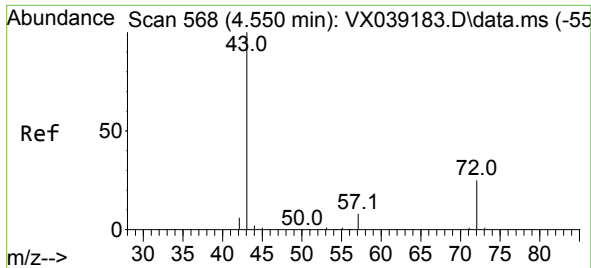
Reviewed By :John Carlone 12/29/2023
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#20
Methylene Chloride
Concen: 5.592 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

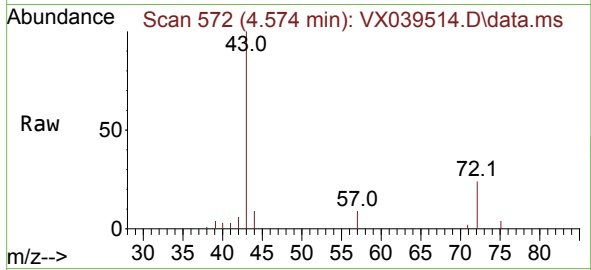
Tgt Ion: 84 Resp: 6671
Ion Ratio Lower Upper
84 100
49 119.3 103.6 155.4
51 35.5 33.8 50.6
86 58.0 49.4 74.0





#25
2-Butanone
Concen: 11.423 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

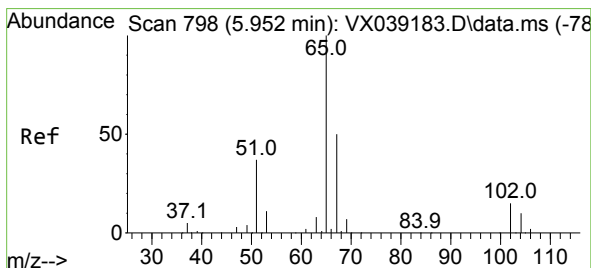
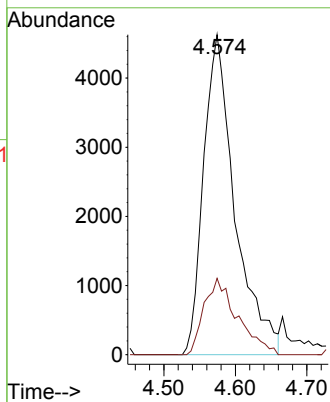
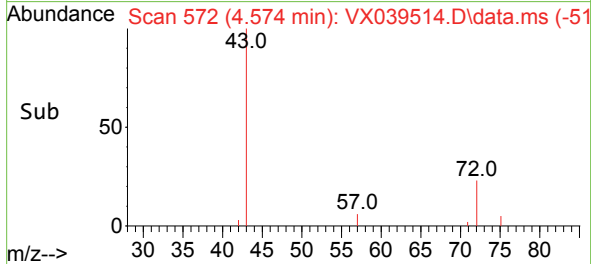
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



Tgt Ion: 43 Resp: 14100
Ion Ratio Lower Upper
43 100
72 23.9 19.4 29.2

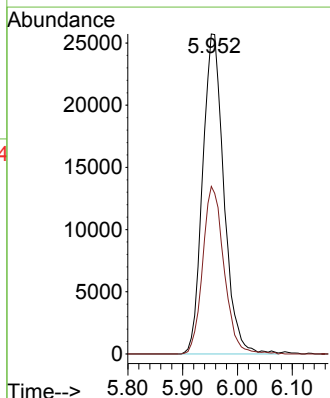
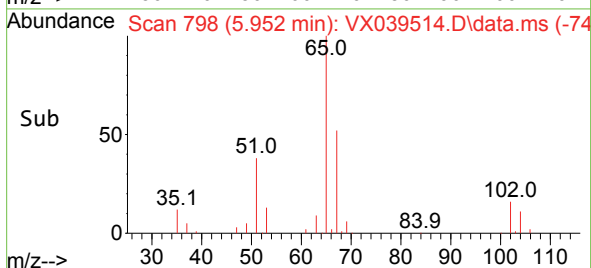
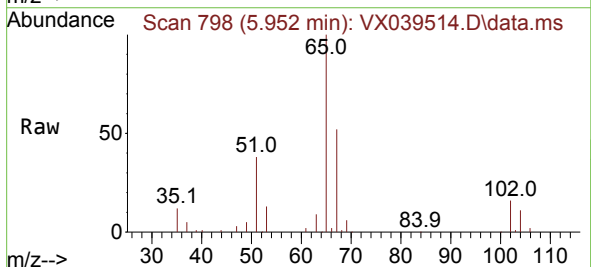
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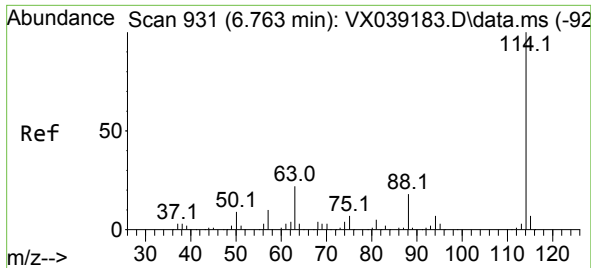
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#33
1,2-Dichloroethane-d4
Concen: 48.391 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Tgt Ion: 65 Resp: 69248
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 914
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Instrument :

MSVOA_X

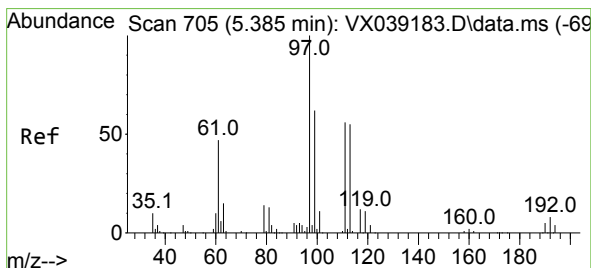
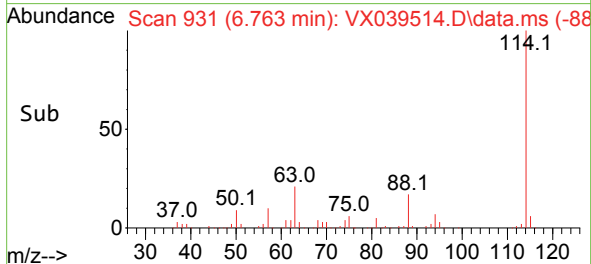
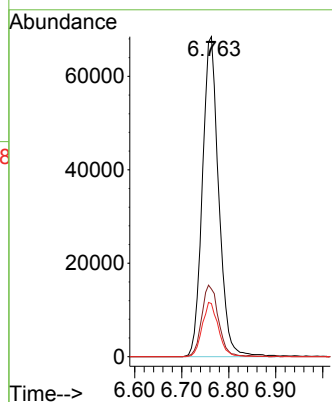
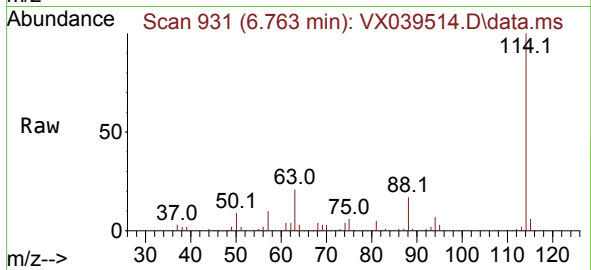
ClientSampleId :

E8965C-S-002RE

Tgt Ion:114 Resp: 16508
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.6 0.0 36.6

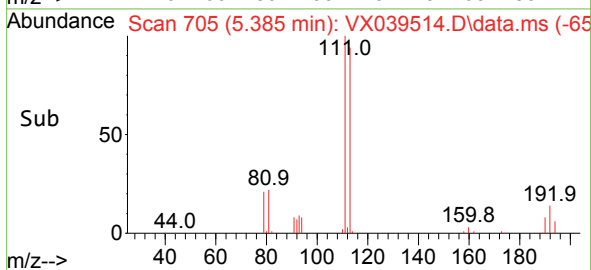
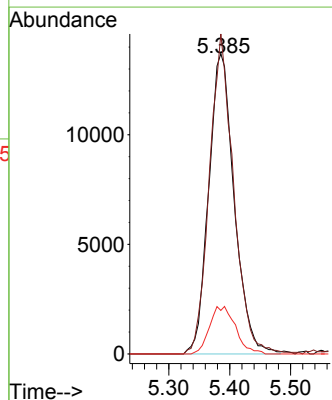
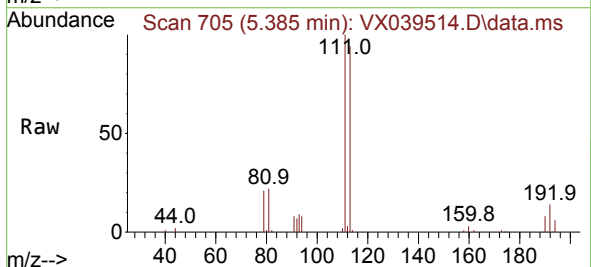
Manual Integrations
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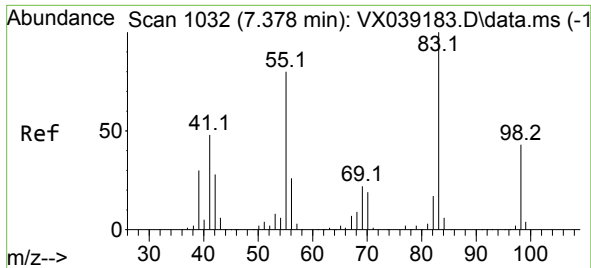
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#35
Dibromofluoromethane
Concen: 35.004 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Tgt Ion:113 Resp: 39922
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 16.1 13.3 19.9





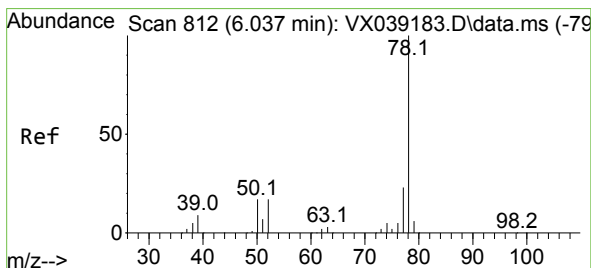
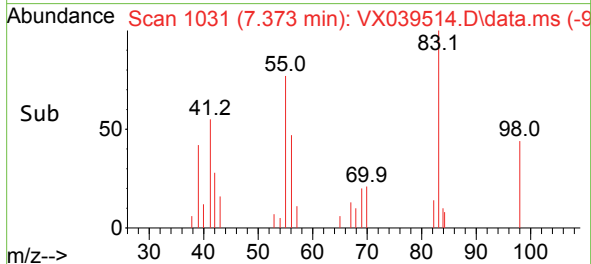
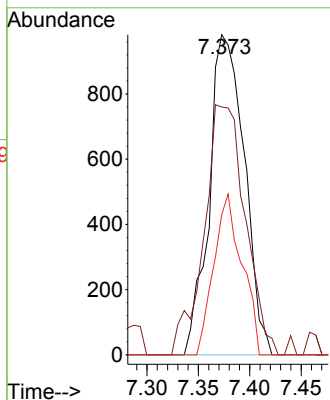
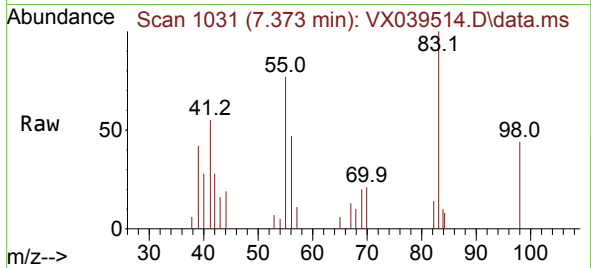
#39
Methylcyclohexane
Concen: 1.081 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

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Tgt Ion: 83 Resp: 2330
Ion Ratio Lower Upper
83 100
55 77.4 64.6 97.0
98 43.8 36.7 55.1

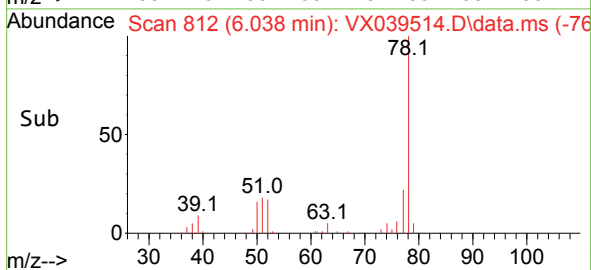
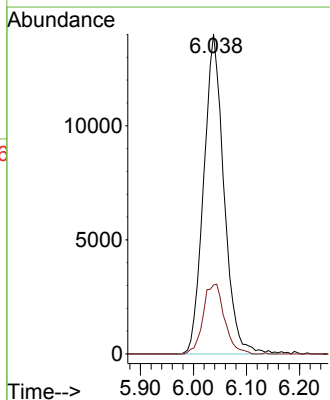
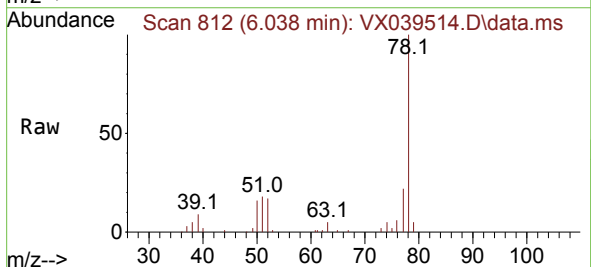
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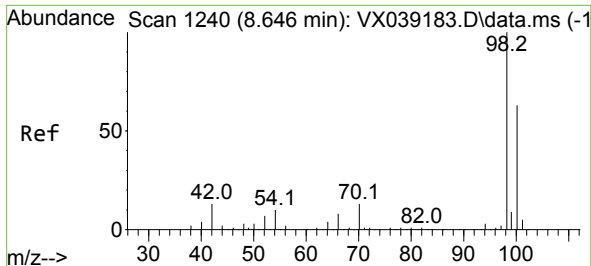
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#40
Benzene
Concen: 7.315 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

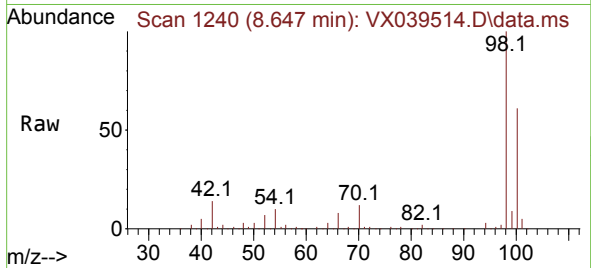
Tgt Ion: 78 Resp: 37242
Ion Ratio Lower Upper
78 100
77 21.5 19.3 28.9





#50
Toluene-d8
Concen: 50.126 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

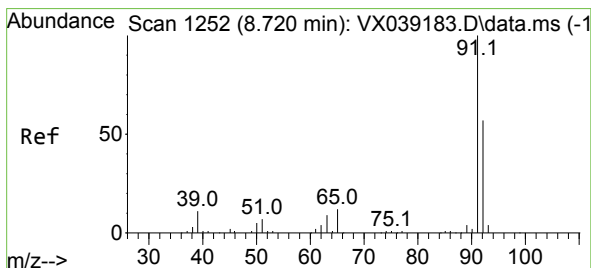
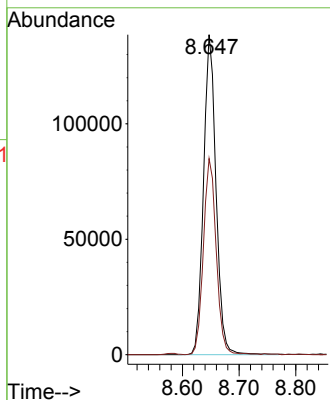
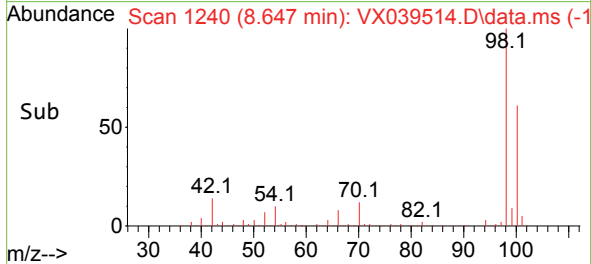
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Tgt Ion: 98 Resp: 212238
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

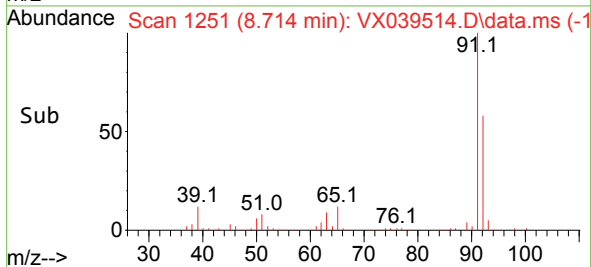
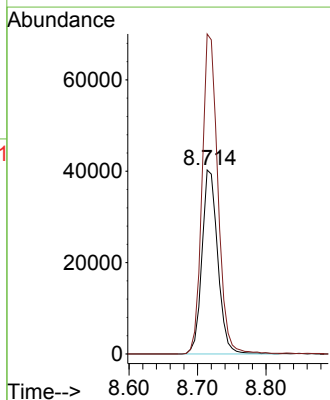
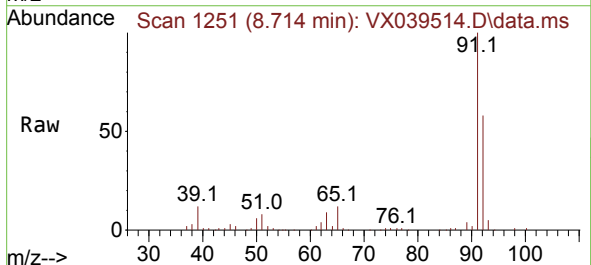
Manual Integrations
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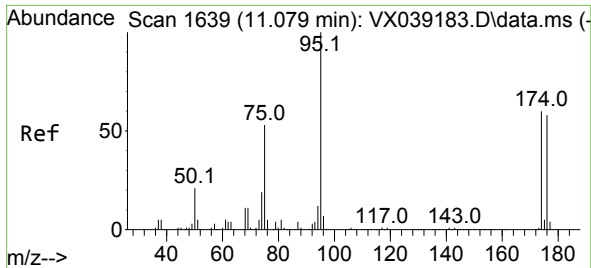
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#52
Toluene
Concen: 21.047 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

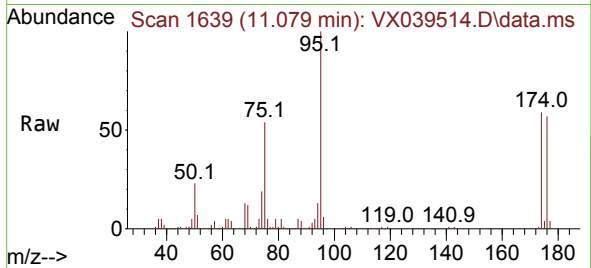
Tgt Ion: 92 Resp: 64673
Ion Ratio Lower Upper
92 100
91 173.9 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 53.438 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

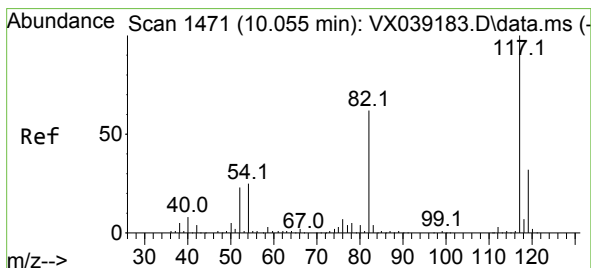
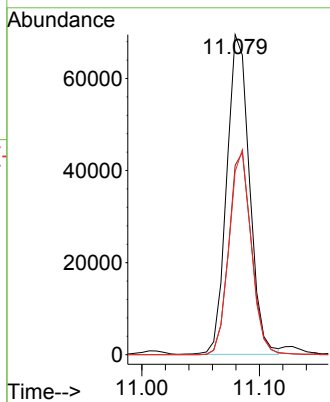
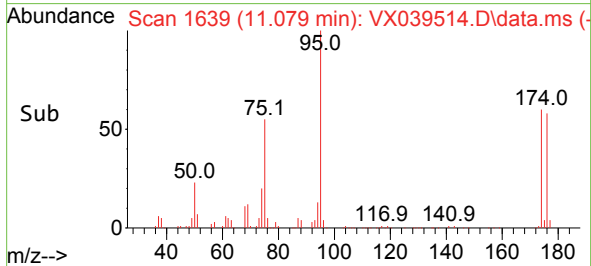
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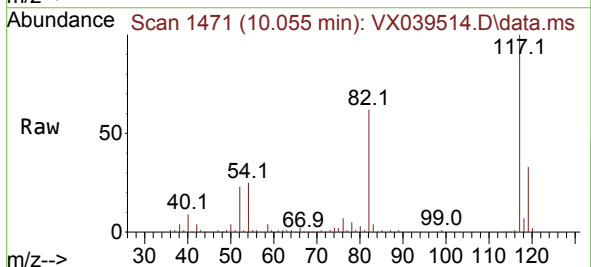
Tgt Ion: 95 Resp: 9335
Ion Ratio Lower Upper
95 100
174 63.0 0.0 135.6
176 62.2 0.0 131.0

Manual Integrations
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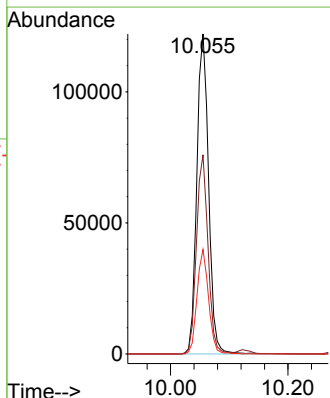
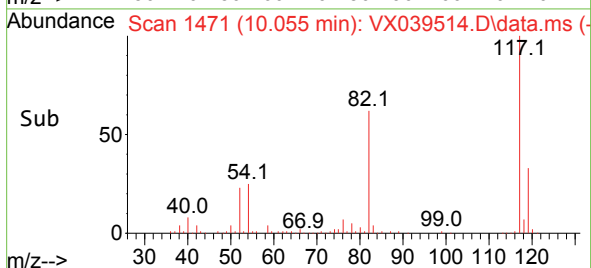
Reviewed By :John Carlone 12/29/2023
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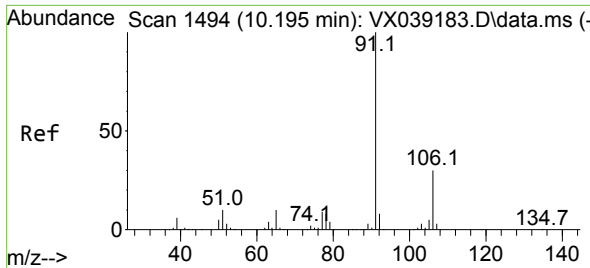


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23



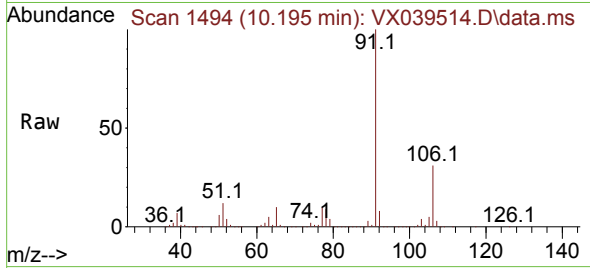
Tgt Ion:117 Resp: 169124
Ion Ratio Lower Upper
117 100
82 62.2 46.2 69.4
119 32.7 25.5 38.3





#67
Ethyl Benzene
Concen: 515.449 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

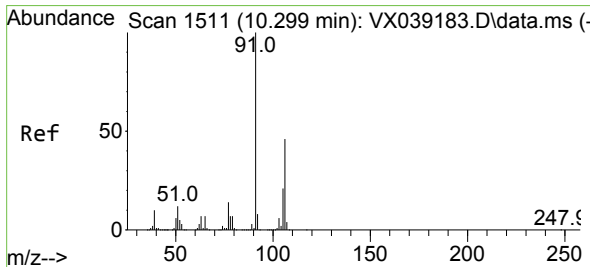
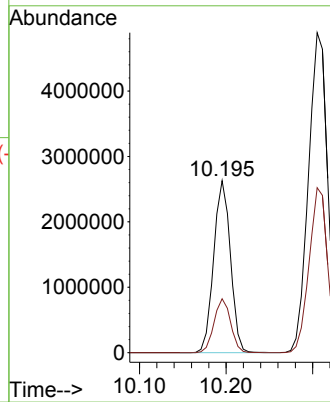
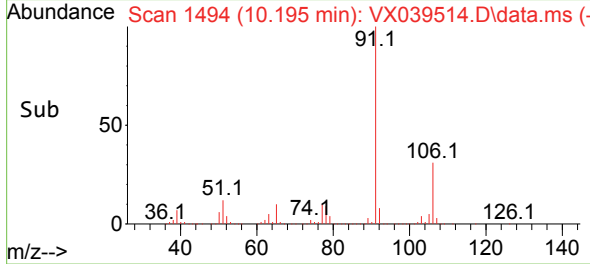
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



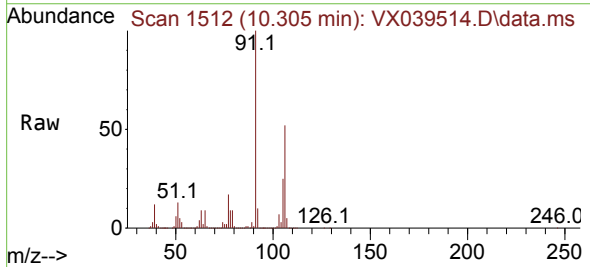
Tgt Ion: 91 Resp: 354187
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

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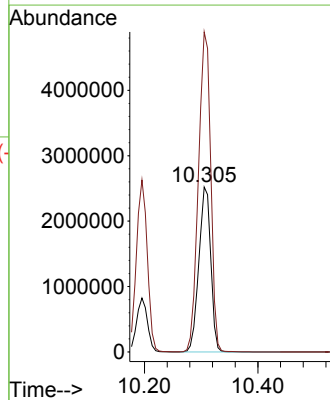
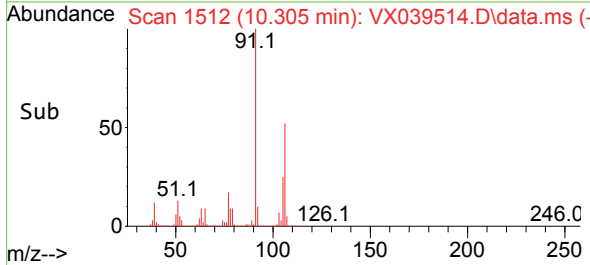
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024

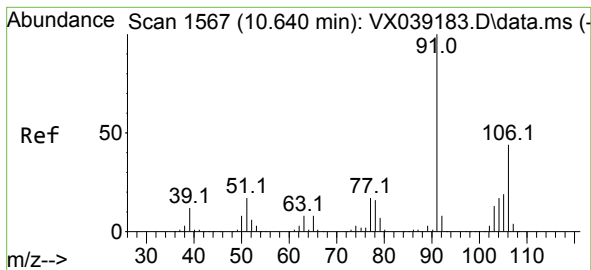


#68
m/p-Xylenes
Concen: 1492.454 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.007 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23



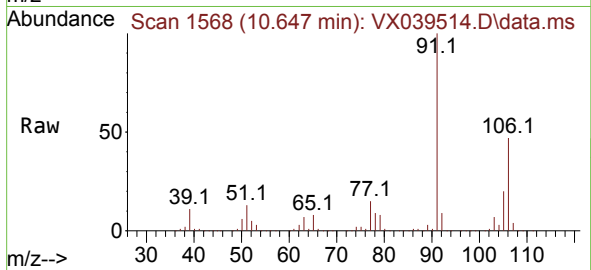
Tgt Ion:106 Resp: 3676994
Ion Ratio Lower Upper
106 100
91 200.7 165.5 248.3





#69
o-Xylene
Concen: 886.366 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

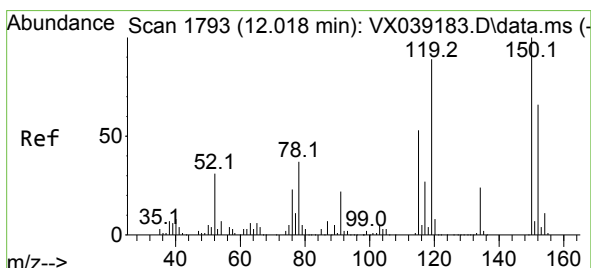
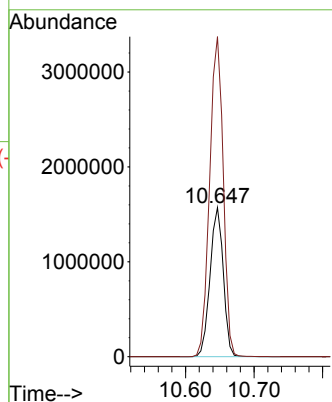
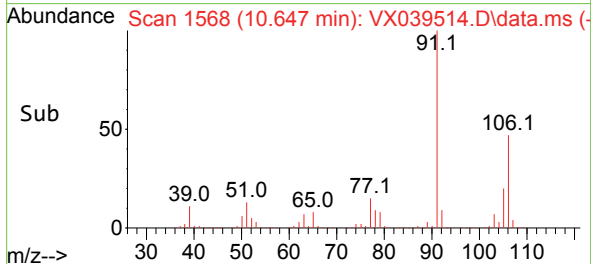
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



Tgt Ion:106 Resp: 2111400
Ion Ratio Lower Upper
106 100
91 220.5 108.9 326.8

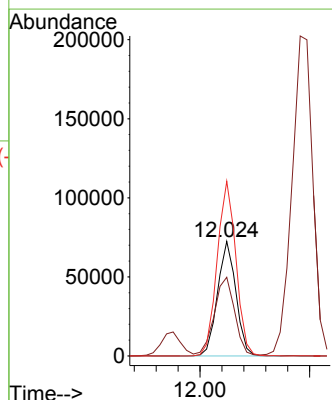
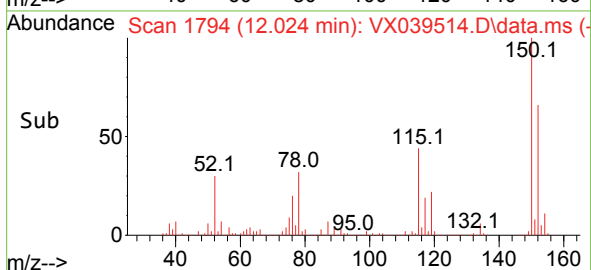
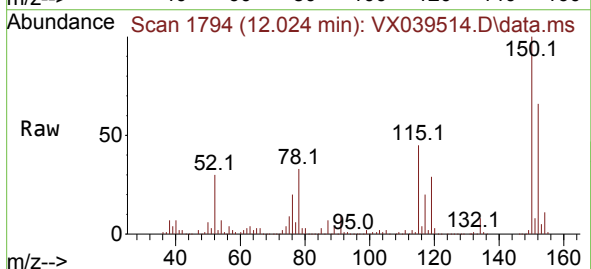
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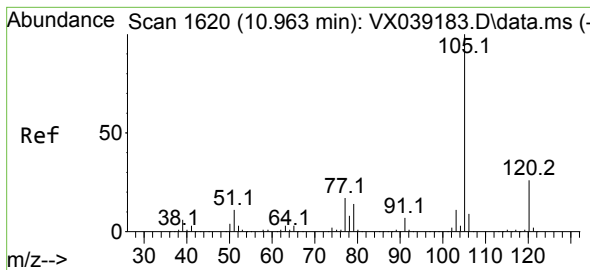
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.007 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Tgt Ion:152 Resp: 84430
Ion Ratio Lower Upper
152 100
115 74.0 43.3 129.9
150 155.5 0.0 345.0





#73

Isopropylbenzene

Concen: 254.574 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039514.D

Acq: 28 Dec 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

E8965C-S-002RE

Tgt Ion:105 Resp: 165832

Ion Ratio Lower Upper

105 100

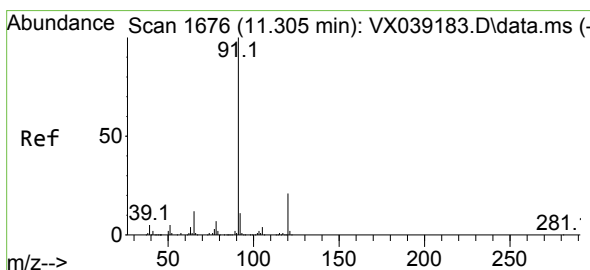
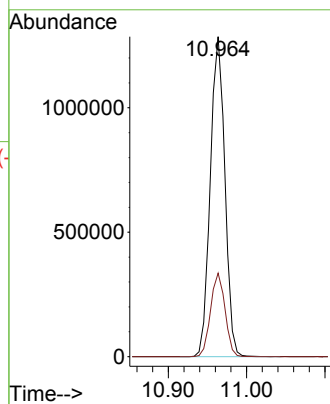
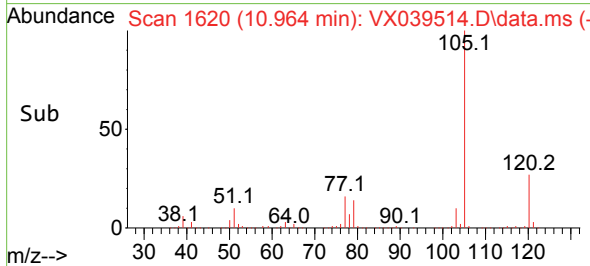
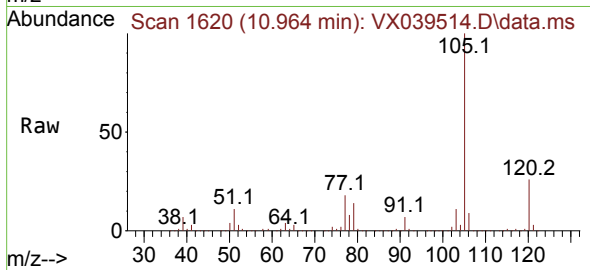
120 25.9 12.9 38.6

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Reviewed By :John Carlone 12/29/2023

Supervised By :Semsettin Yesilyurt 01/01/2024



#78

n-propylbenzene

Concen: 471.627 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039514.D

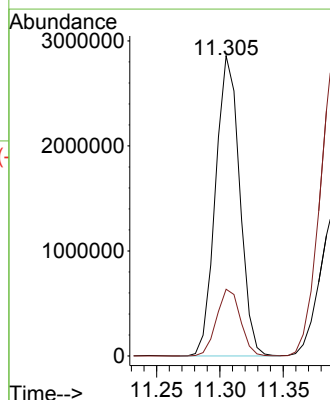
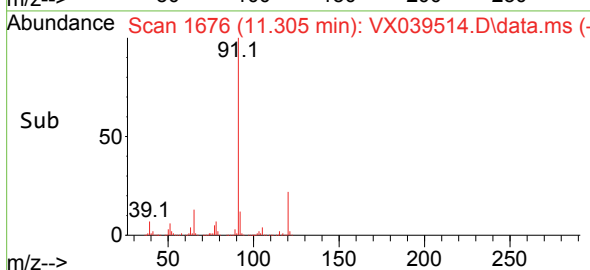
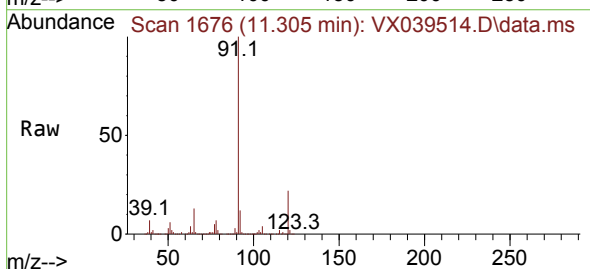
Acq: 28 Dec 2023 14:23

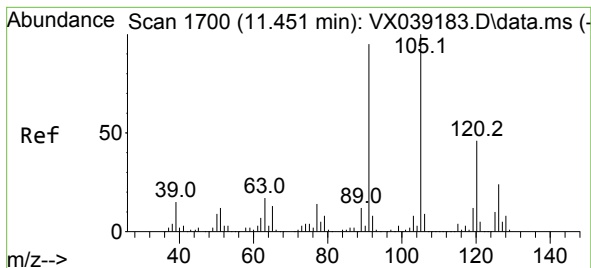
Tgt Ion: 91 Resp: 3785277

Ion Ratio Lower Upper

91 100

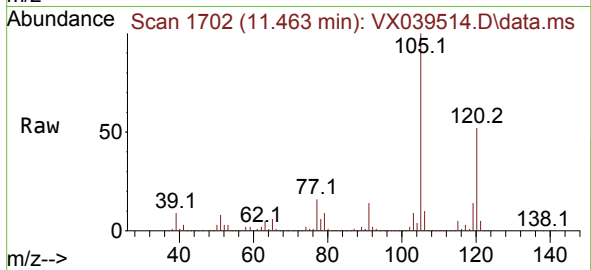
120 22.0 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 1130.433 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.013 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

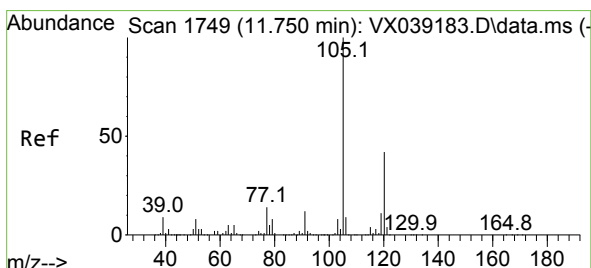
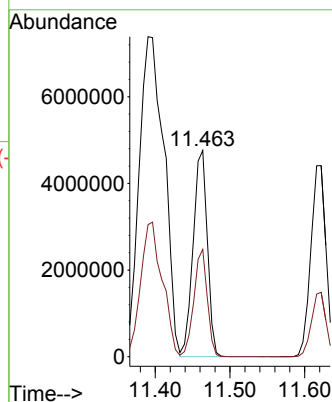
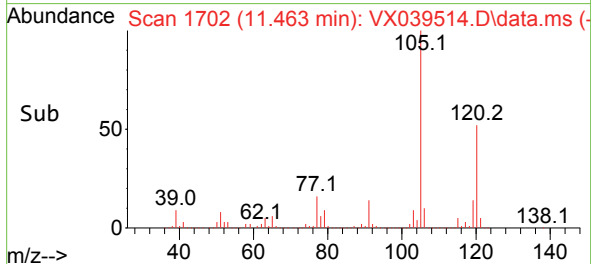
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



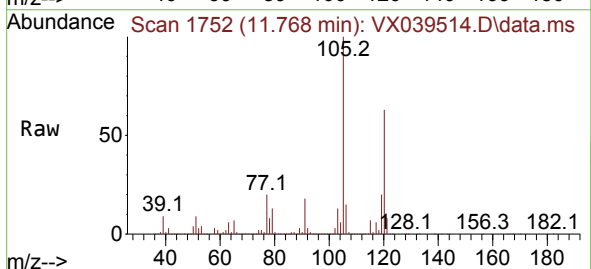
Tgt Ion:105 Resp: 627315
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.3

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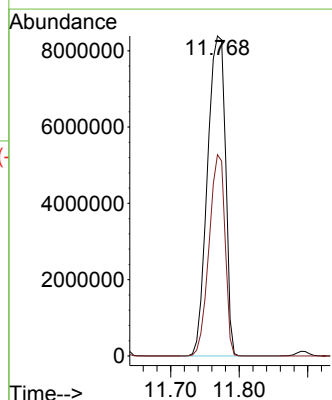
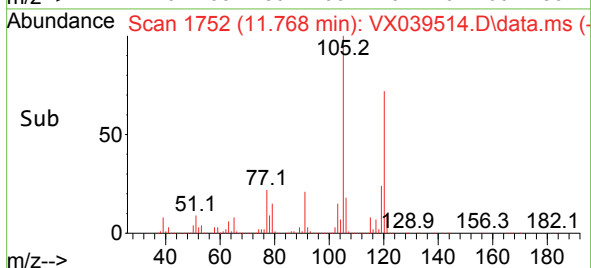
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024

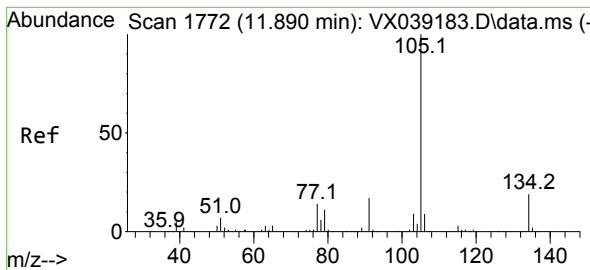


#84
1,2,4-Trimethylbenzene
Concen: 2690.177 ug/l
RT: 11.768 min Scan# 1752
Delta R.T. 0.019 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23



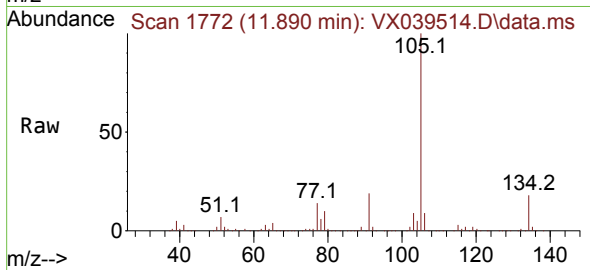
Tgt Ion:105 Resp:15309348
Ion Ratio Lower Upper
105 100
120 55.6 21.2 63.6





#85
sec-Butylbenzene
Concen: 23.348 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

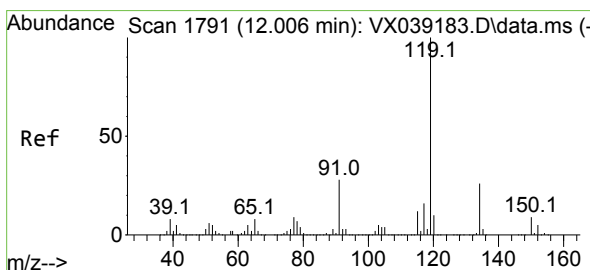
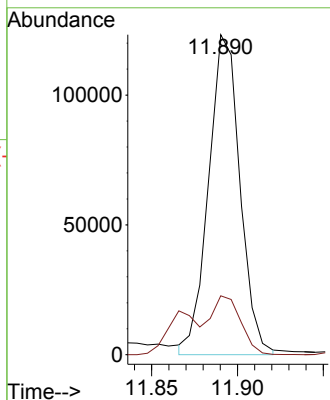
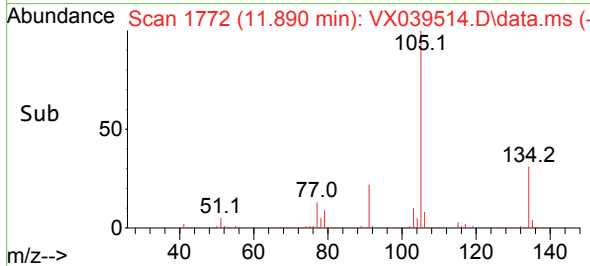
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



Tgt Ion:105 Resp: 156910
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4

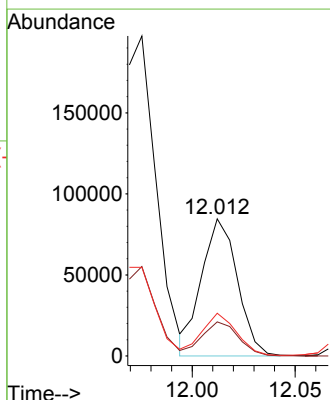
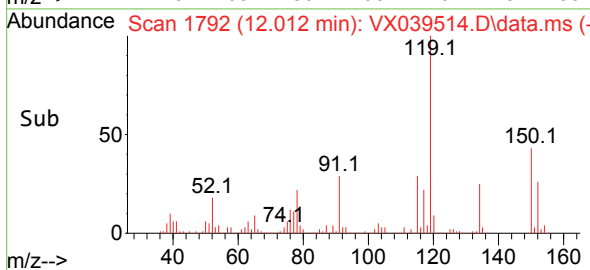
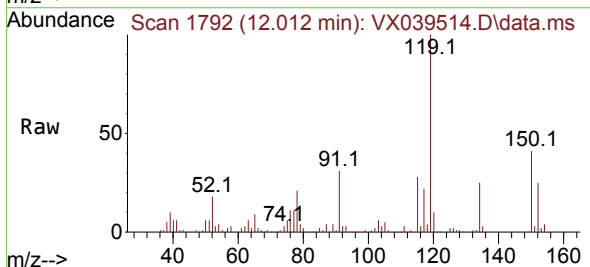
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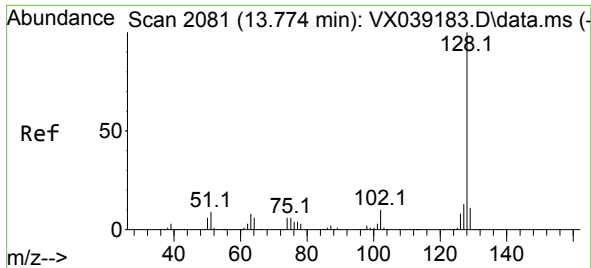
Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024



#86
p-Isopropyltoluene
Concen: 18.177 ug/l m
RT: 12.012 min Scan# 1792
Delta R.T. 0.007 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

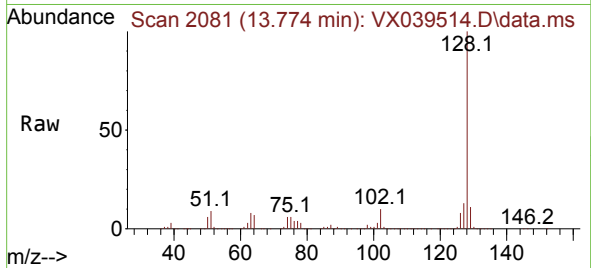
Tgt Ion:119 Resp: 102519
Ion Ratio Lower Upper
119 100
134 63.9 12.8 38.3#
91 72.8 13.1 39.3#





#95
Naphthalene
Concen: 215.449 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039514.D
Acq: 28 Dec 2023 14:23

Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002RE



Tgt Ion:128 Resp: 1330352
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 12/29/2023
Supervised By :Semsettin Yesilyurt 01/01/2024

