

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101923\
 Data File : VX038384.D
 Acq On : 19 Oct 2023 14:38
 Operator : JC/MD
 Sample : 04963-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23101857-01-VOA

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 20 03:40:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	123921	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	220963	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88229	44.265	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.540%
35) Dibromofluoromethane	5.385	113	70172	44.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.140%
50) Toluene-d8	8.647	98	281832	46.323	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.640%
62) 4-Bromofluorobenzene	11.079	95	113761	49.321	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.640%
Target Compounds						
						Qvalue
8) Diethyl Ether	2.130	74	9524	9.565	ug/l	73
11) Tert butyl alcohol	2.953	59	120770	275.621	ug/l	# 90
16) Acetone	2.374	43	6127	7.365	ug/l	# 89
19) Methyl tert-butyl Ether	3.117	73	2052	0.454	ug/l	99
25) 2-Butanone	4.568	43	6889	5.133	ug/l	# 88
29) Tetrahydrofuran	5.001	42	149269	170.819	ug/l	89
40) Benzene	6.037	78	10086	1.642	ug/l	100
49) 1,4-Dioxane	7.659	88	9797	213.944	ug/l	# 84
52) Toluene	8.720	92	6344	1.586	ug/l	94
65) Chlorobenzene	10.079	112	41530	8.560	ug/l	99
67) Ethyl Benzene	10.195	91	87064	10.053	ug/l	99
68) m/p-Xylenes	10.305	106	17407	5.198	ug/l	97
69) o-Xylene	10.640	106	14408	4.409	ug/l	94
73) Isopropylbenzene	10.963	105	9584	1.103	ug/l	99
78) n-propylbenzene	11.305	91	5886	0.554	ug/l	98
79) 2-Chlorotoluene	11.366	91	4719	0.749	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4470	0.596	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	19532	2.612	ug/l	96
86) p-Isopropyltoluene	12.012	119	4588	0.586	ug/l	# 82
88) 1,4-Dichlorobenzene	12.043	146	37320	8.576	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	2254	0.550	ug/l	95
95) Naphthalene	13.774	128	54659	5.711	ug/l	100

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

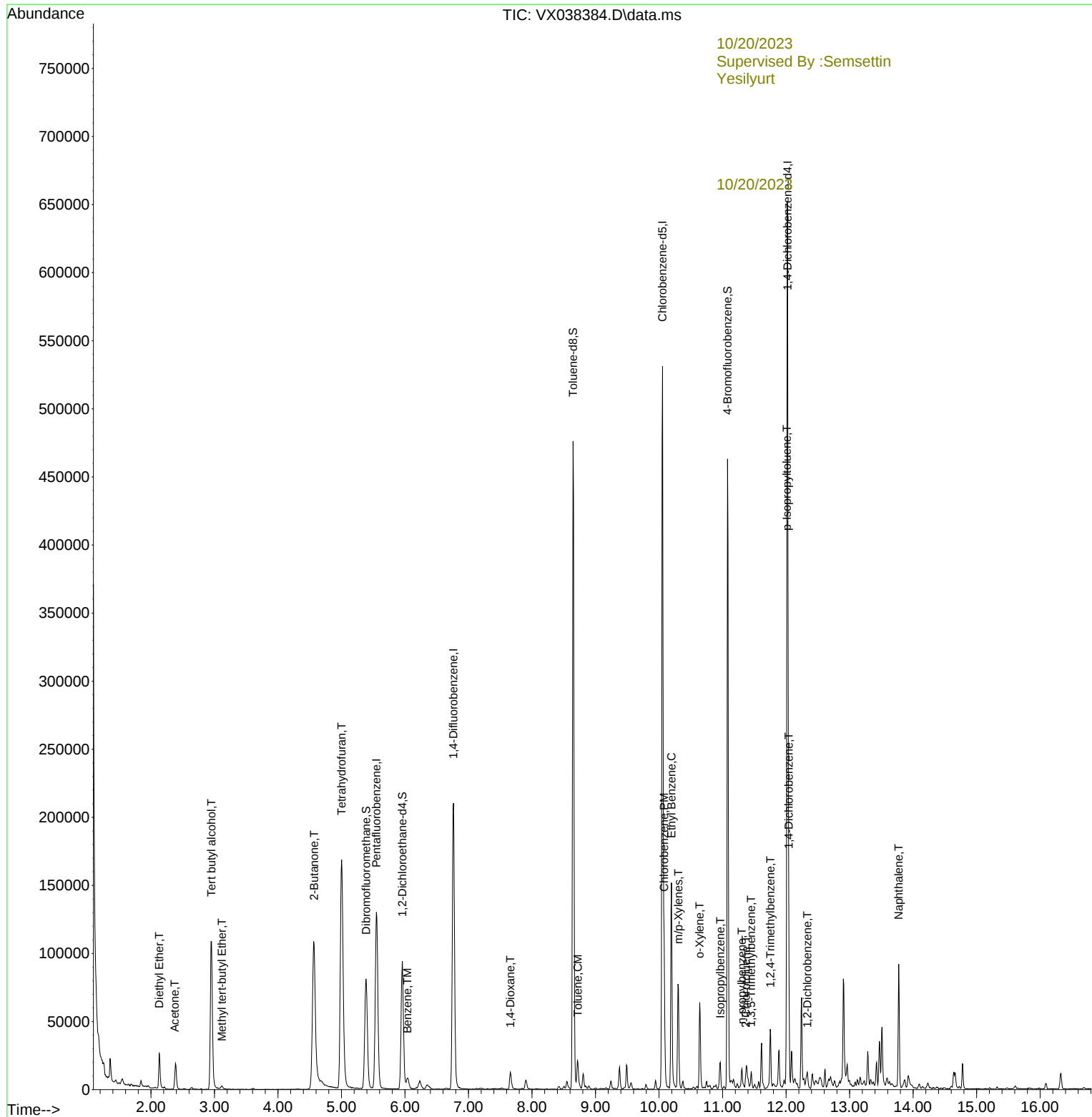
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Data File : VX038384.D
Acq On : 19 Oct 2023 14:38
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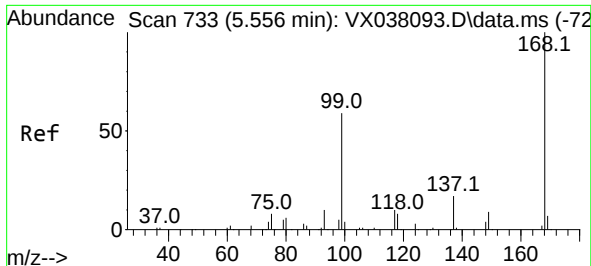
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Quant Time: Oct 20 03:40:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

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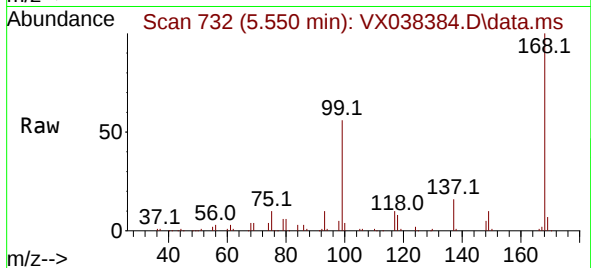
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

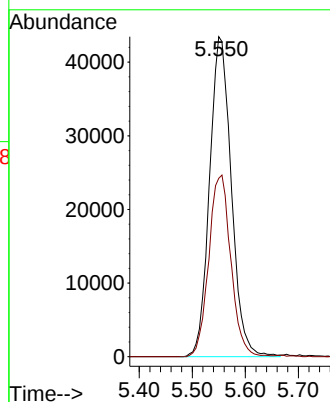
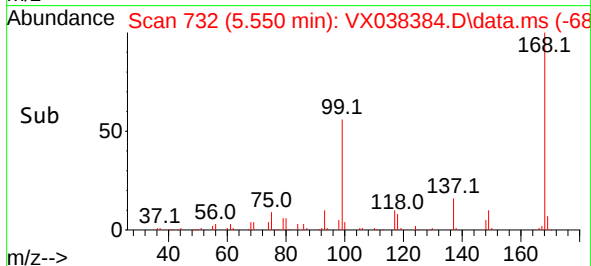
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion:168 Resp: 12392
Ion Ratio Lower Upper
168 100
99 55.8 56.6 85.0

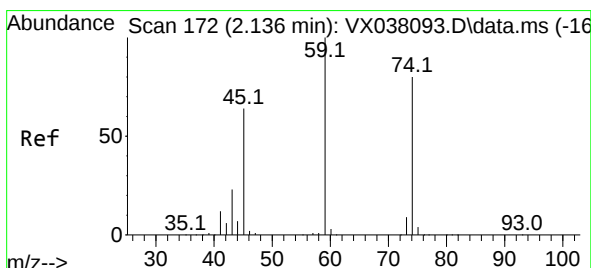
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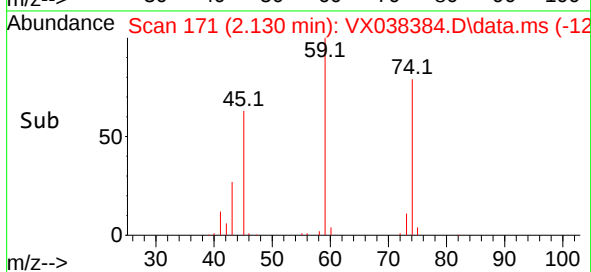
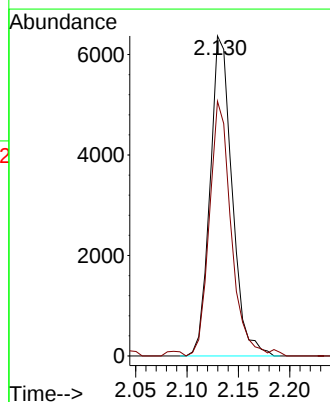
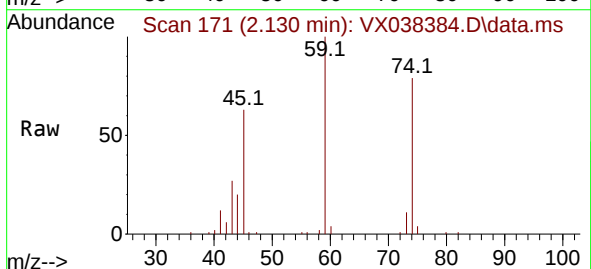
10/20/2023
Supervised By :Semsettin
Yesilyurt

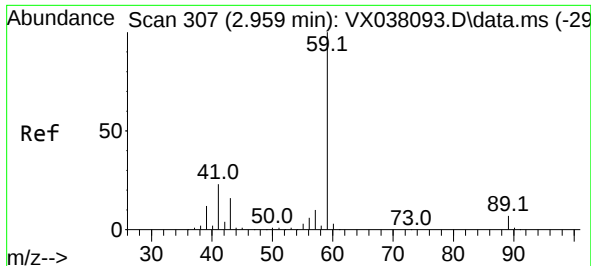
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#8
Diethyl Ether
Concen: 9.565 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Tgt Ion: 74 Resp: 9524
Ion Ratio Lower Upper
74 100
45 78.9 53.3 159.8





#11

Tert butyl alcohol

Concen: 275.621 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038384.D

Acq: 19 Oct 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

23101857-01-VOA

Tgt Ion: 59 Resp: 120770

Ion Ratio Lower Upper

59 100

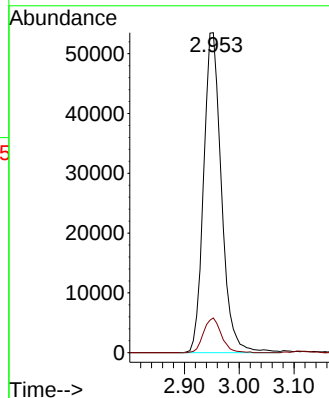
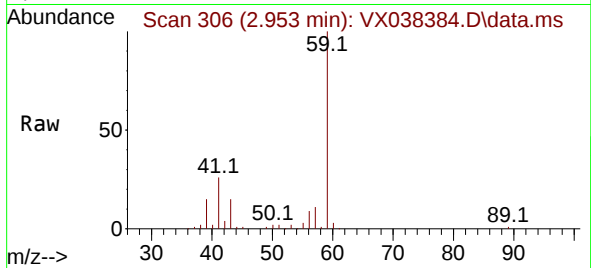
57 10.8 6.0 9.0

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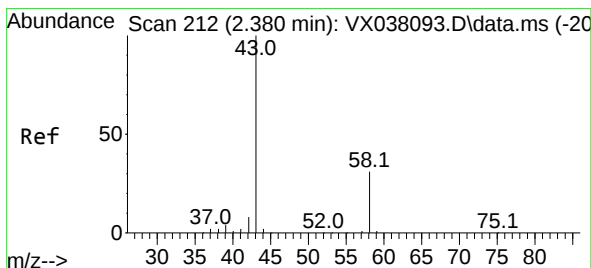
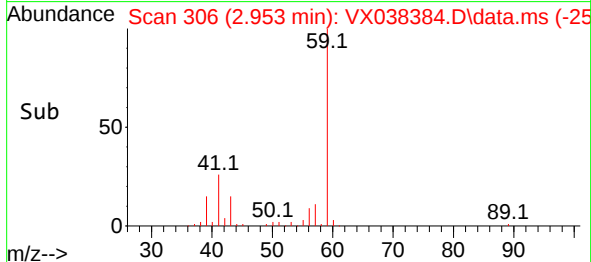


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#16

Acetone

Concen: 7.365 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038384.D

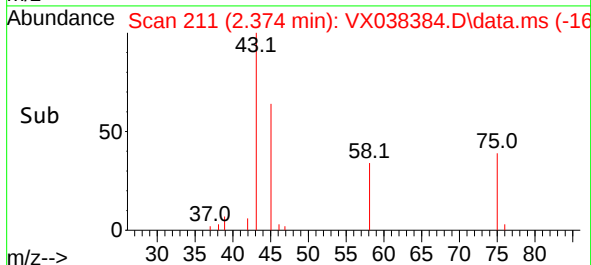
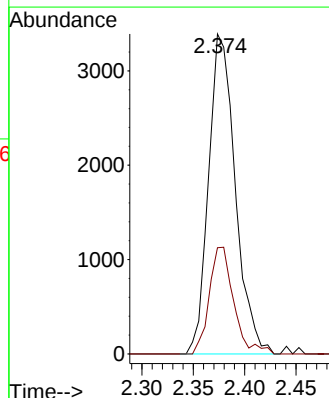
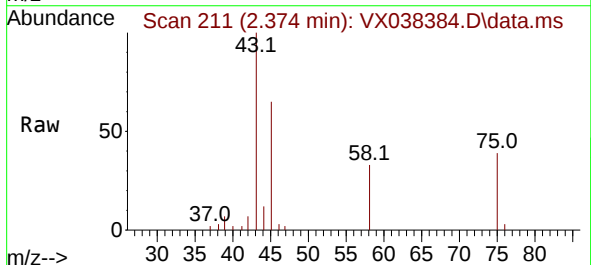
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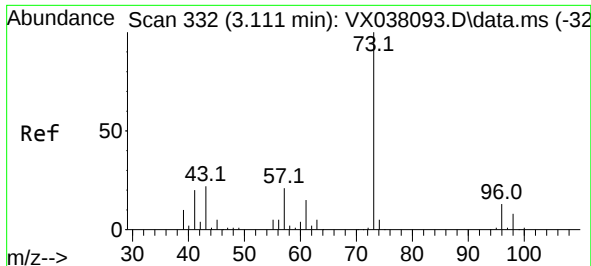
Tgt Ion: 43 Resp: 6127

Ion Ratio Lower Upper

43 100

58 33.2 21.9 32.9





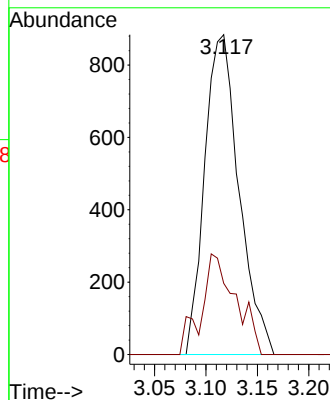
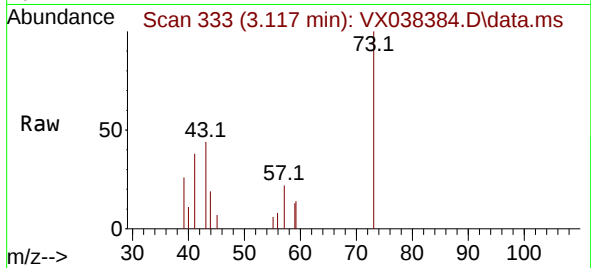
#19
Methyl tert-butyl Ether
Concen: 0.454 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Tgt Ion: 73 Resp: 2052
Ion Ratio Lower Upper
73 100
57 22.3 17.3 25.9

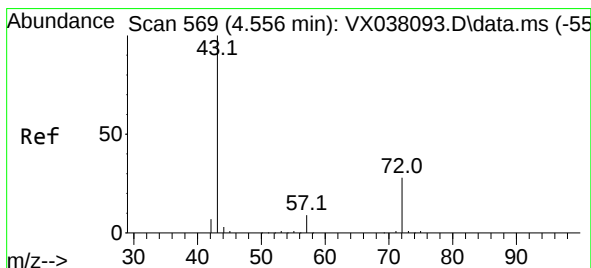
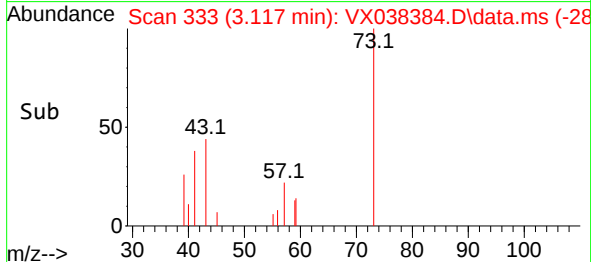
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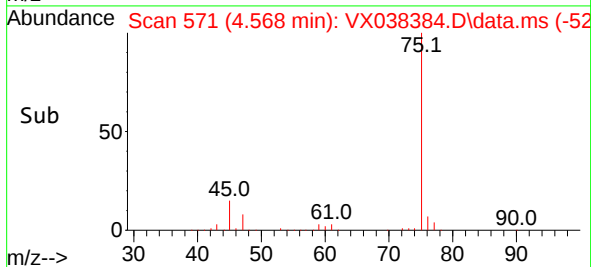
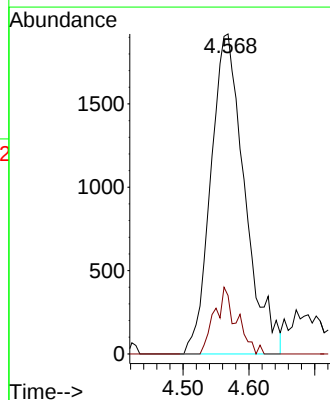
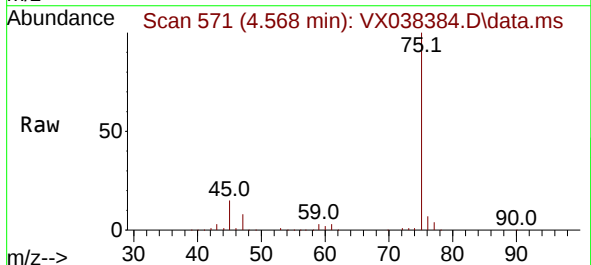
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Supervised By :Semsettin
Yesilyurt

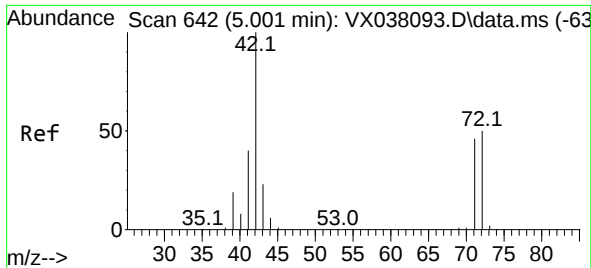
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#25
2-Butanone
Concen: 5.133 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

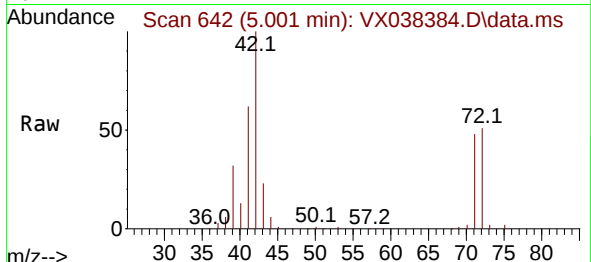
Tgt Ion: 43 Resp: 6889
Ion Ratio Lower Upper
43 100
72 18.2 19.4 29.2#





#29
Tetrahydrofuran
Concen: 170.819 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

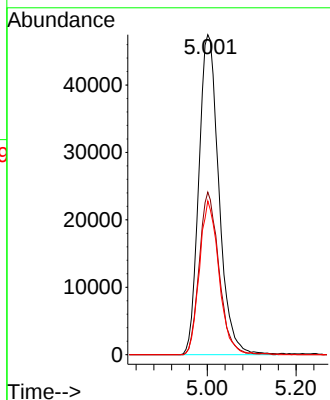
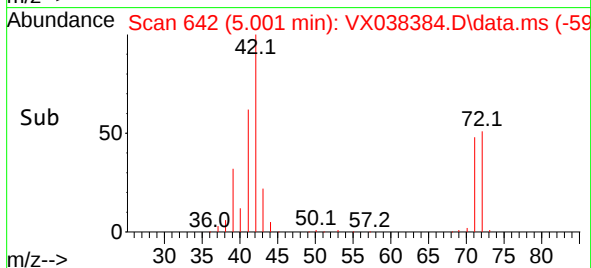
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion: 42 Resp: 149269
Ion Ratio Lower Upper
42 100
72 49.8 34.2 51.4
71 46.8 32.2 48.2

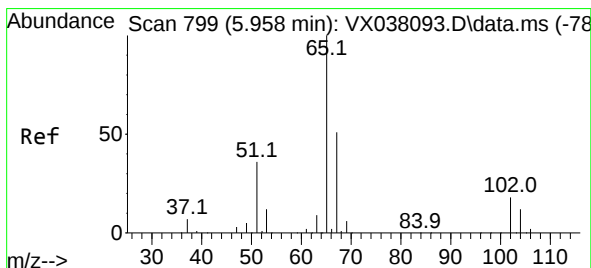
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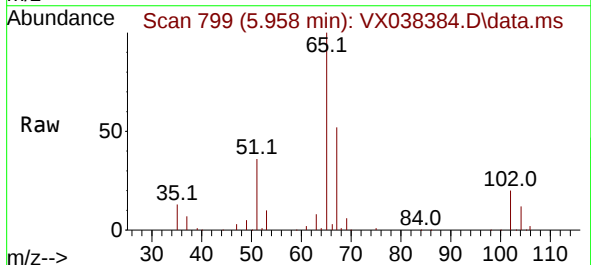


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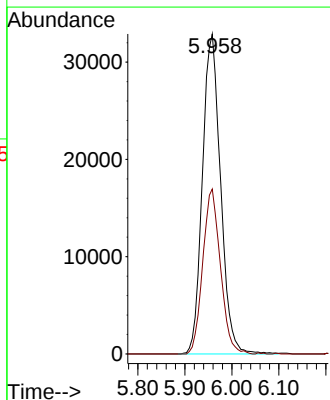
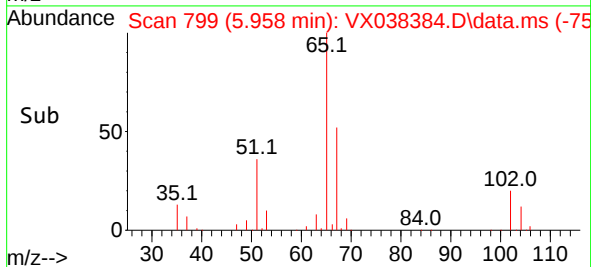
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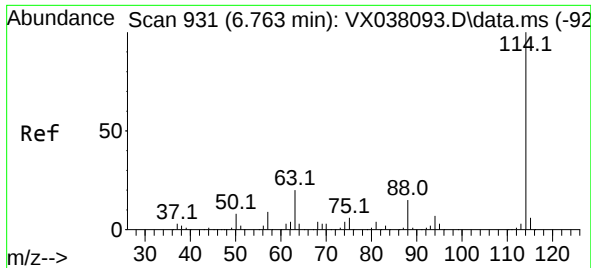


#33
1,2-Dichloroethane-d4
Concen: 44.265 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



Tgt Ion: 65 Resp: 88229
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.2





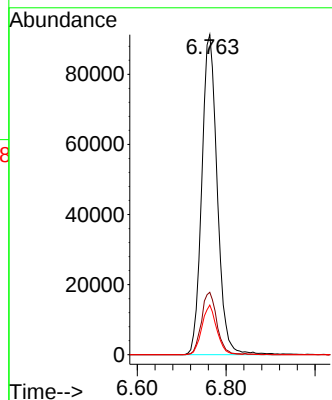
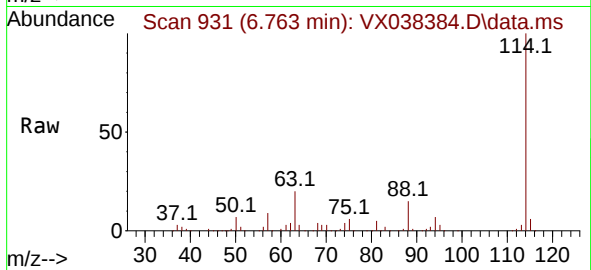
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Tgt Ion:114 Resp: 22096
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 15.5 0.0 36.6

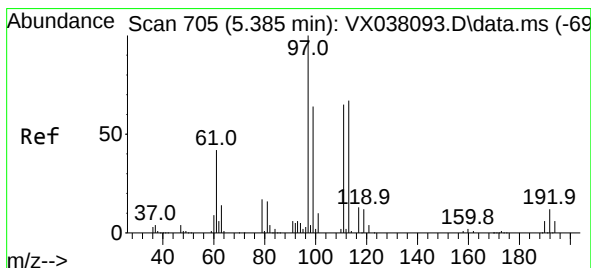
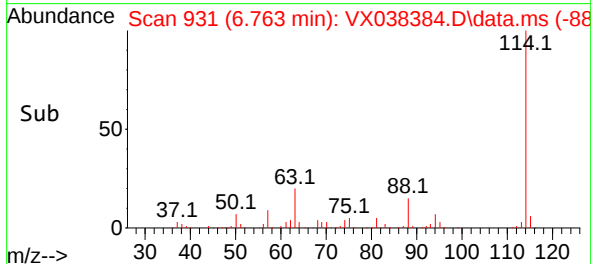
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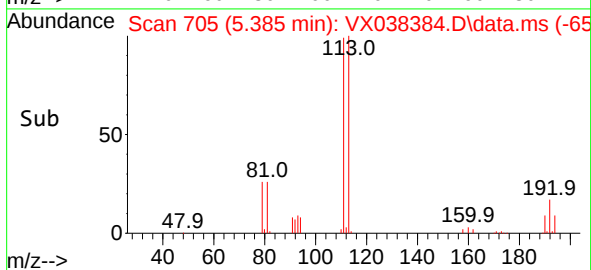
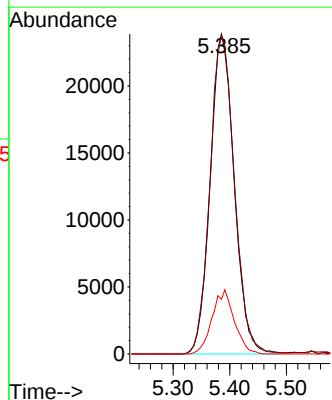
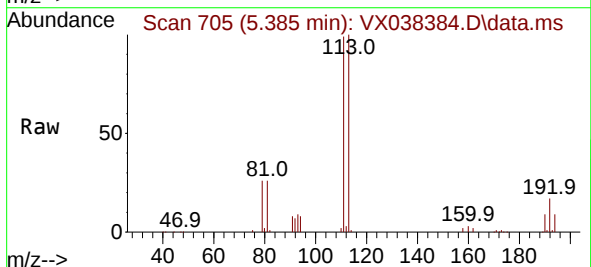
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Yesilyurt

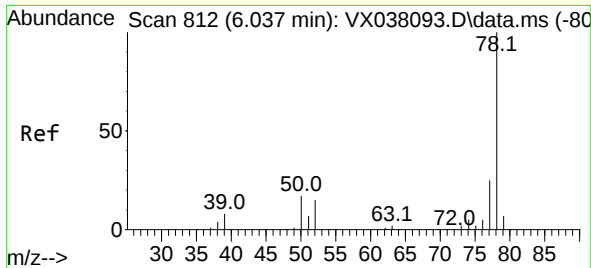
10/20/2023



#35
Dibromofluoromethane
Concen: 44.073 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

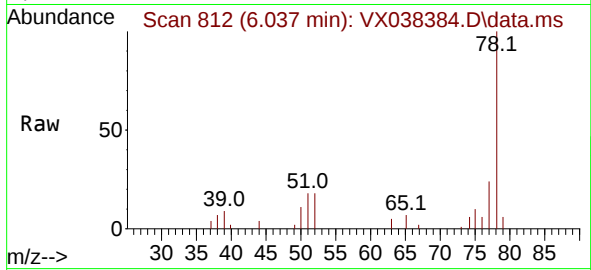
Tgt Ion:113 Resp: 70172
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.5 13.3 19.9





#40
Benzene
Concen: 1.642 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.001 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

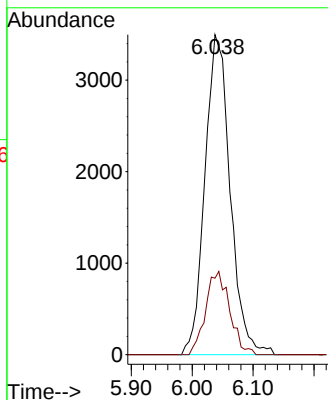
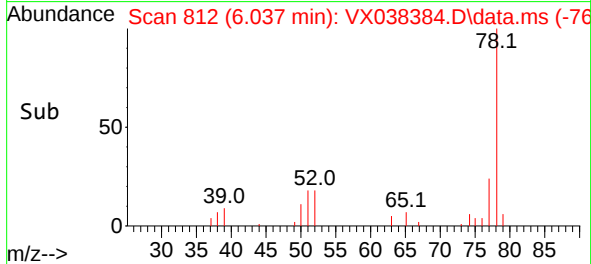
Instrument :
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ClientSampleId :
23101857-01-VOA



Tgt Ion: 78 Resp: 1008
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

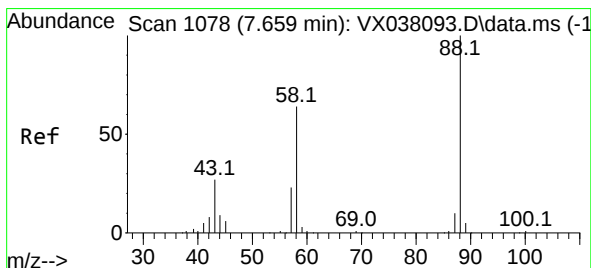
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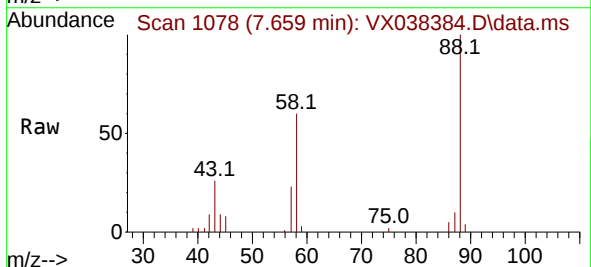


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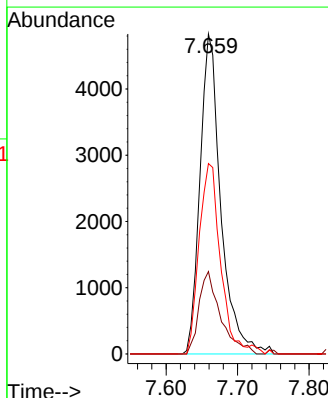
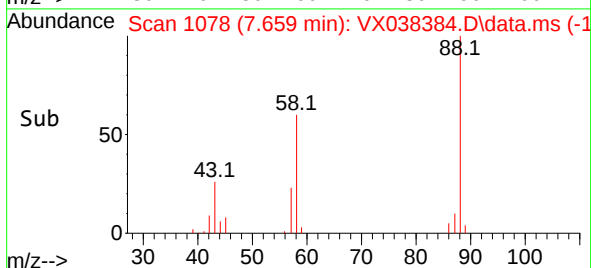
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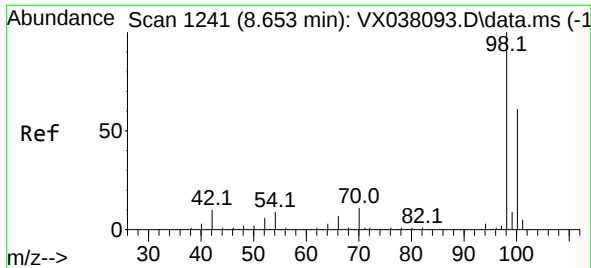


#49
1,4-Dioxane
Concen: 213.944 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



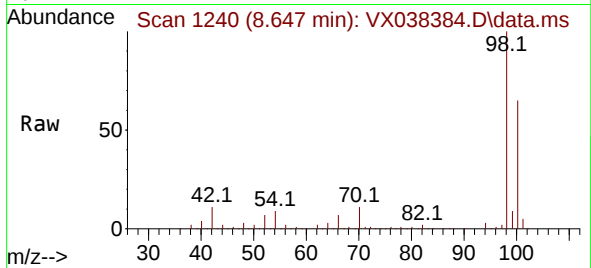
Tgt Ion: 88 Resp: 9797
Ion Ratio Lower Upper
88 100
43 26.7 0.0 0.0#
58 61.4 60.1 90.1





#50
Toluene-d8
Concen: 46.323 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

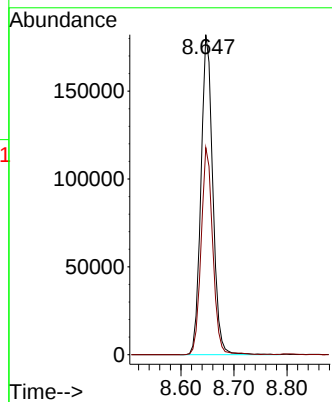
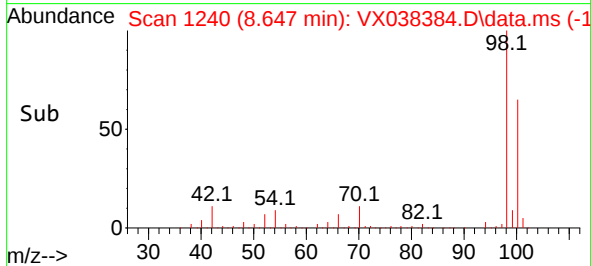
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion: 98 Resp: 28183
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

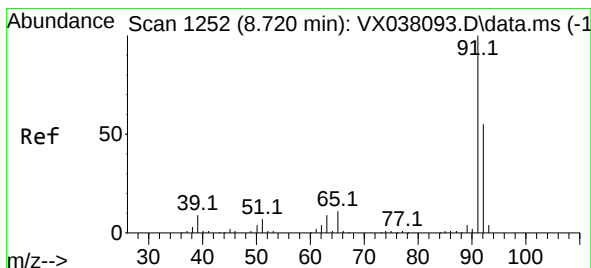
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Carlone



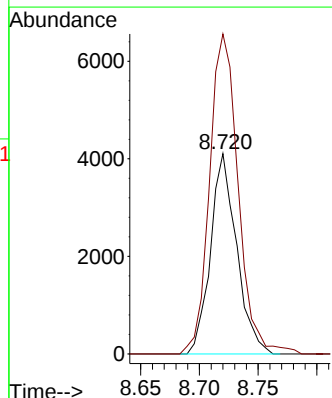
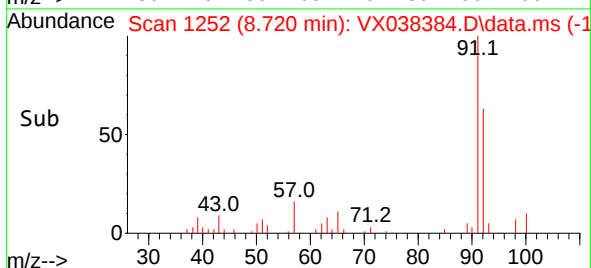
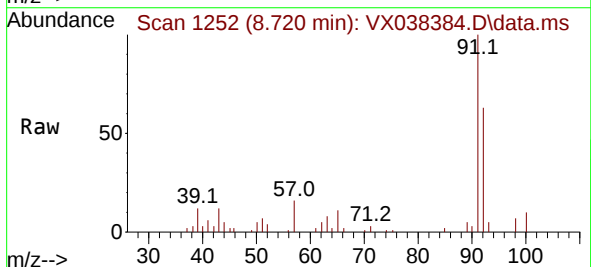
10/20/2023
Supervised By :Semsettin
Yesilyurt

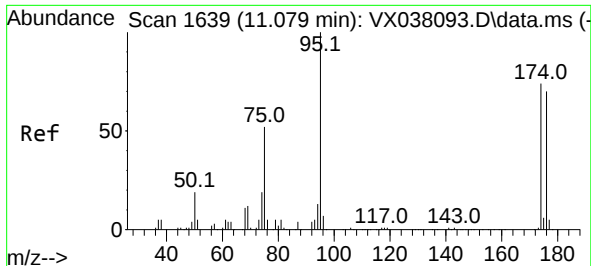
10/20/2023



#52
Toluene
Concen: 1.586 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

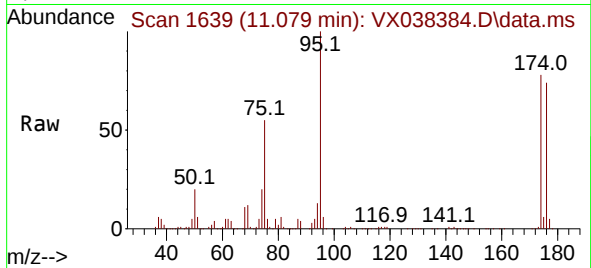
Tgt Ion: 92 Resp: 6344
Ion Ratio Lower Upper
92 100
91 175.2 134.2 201.2





#62
4-Bromofluorobenzene
Concen: 49.321 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

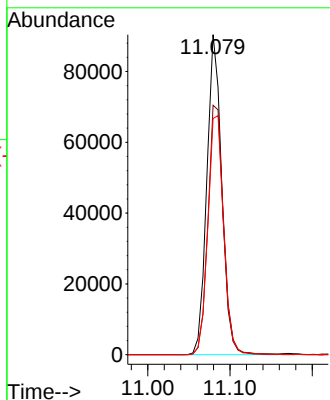
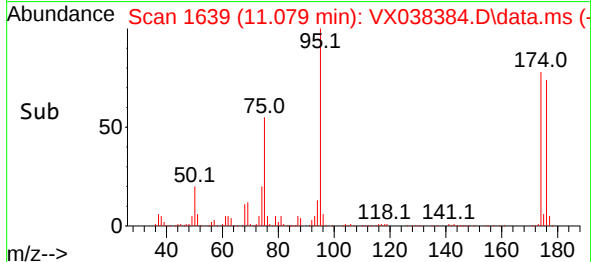
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion: 95 Resp: 11376
Ion Ratio Lower Upper
95 100
174 81.8 0.0 135.6
176 79.0 0.0 131.0

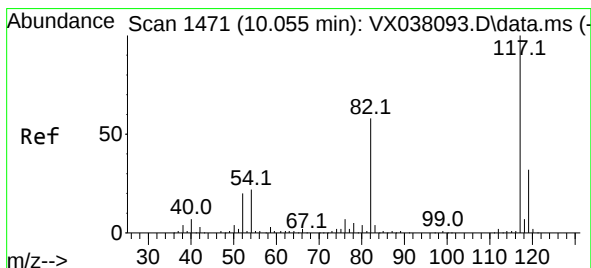
Manual Integrations
APPROVED

Reviewed By :John
Carlone

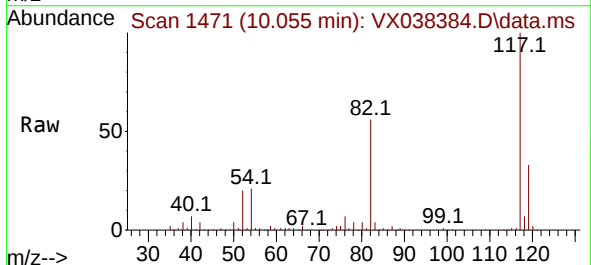


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Supervised By :Semsettin
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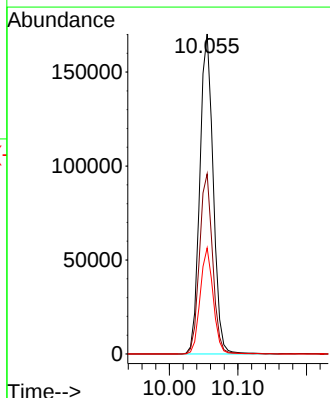
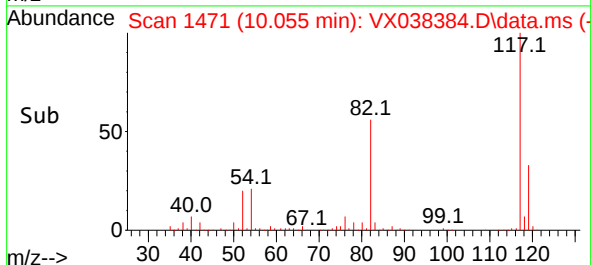
10/20/2023

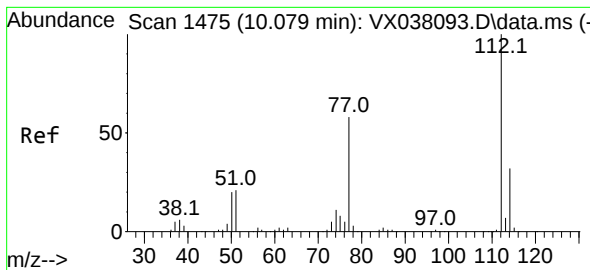


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



Tgt Ion:117 Resp: 231853
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 33.1 25.5 38.3





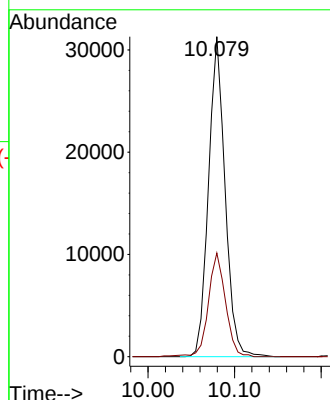
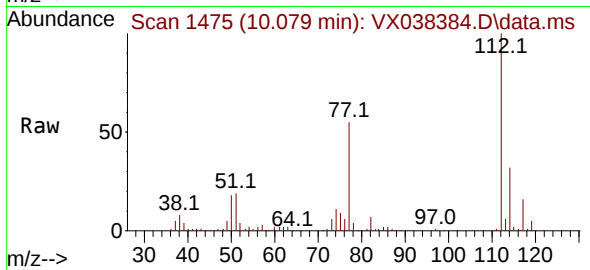
#65
Chlorobenzene
Concen: 8.560 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Tgt Ion:112 Resp: 41530
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

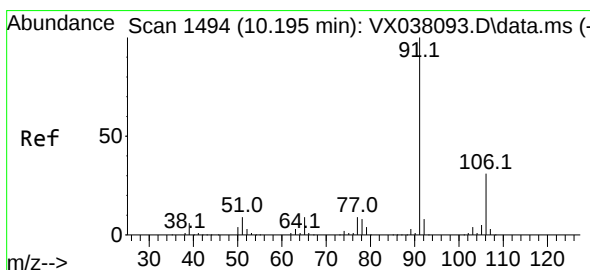
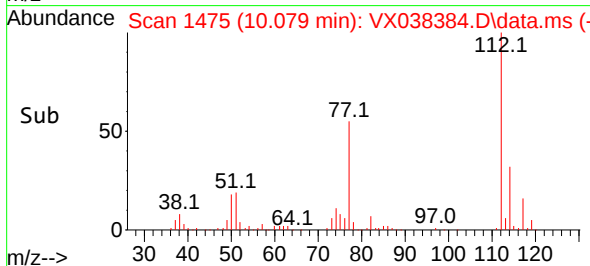
Manual Integrations
APPROVED

Reviewed By :John
Carlone



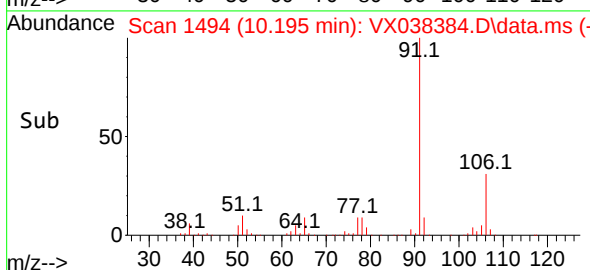
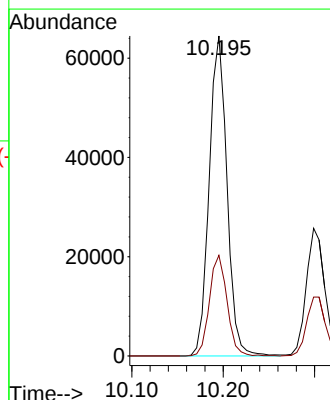
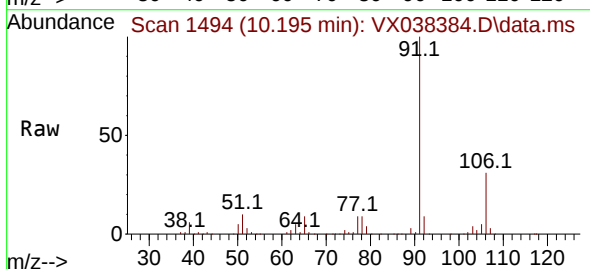
10/20/2023
Supervised By :Semsettin
Yesilyurt

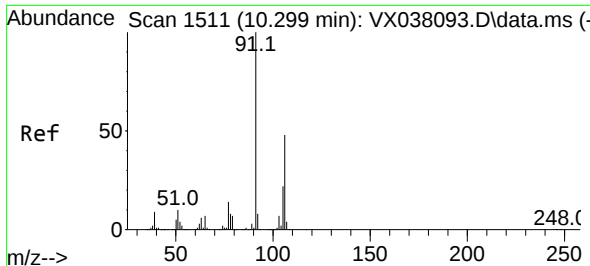
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#67
Ethyl Benzene
Concen: 10.053 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

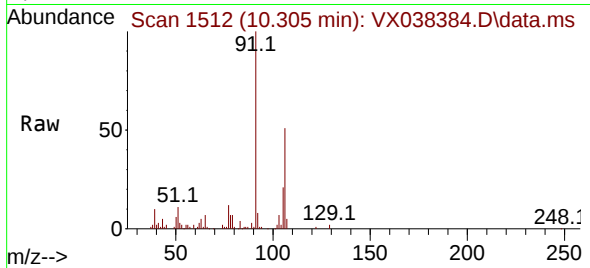
Tgt Ion: 91 Resp: 87064
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3





#68
m/p-Xylenes
Concen: 5.198 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

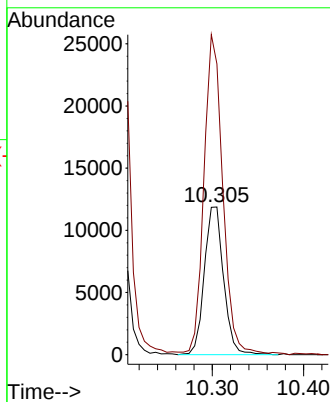
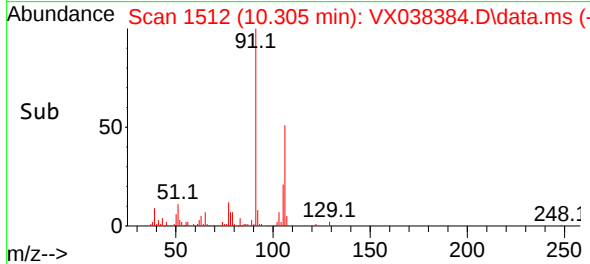
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion:106 Resp: 1740
Ion Ratio Lower Upper
106 100
91 212.2 165.5 248.3

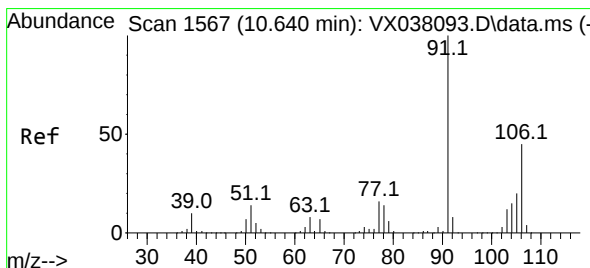
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Reviewed By :John
Carlone



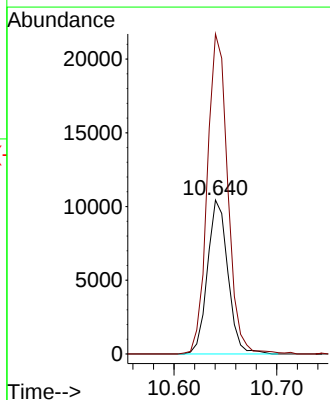
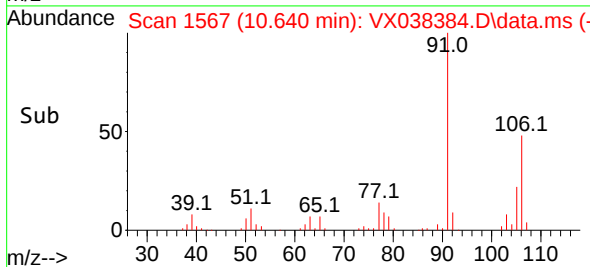
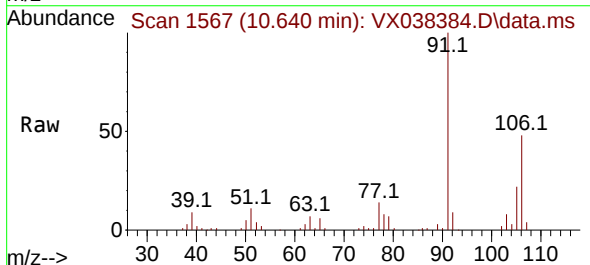
10/20/2023
Supervised By :Semsettin
Yesilyurt

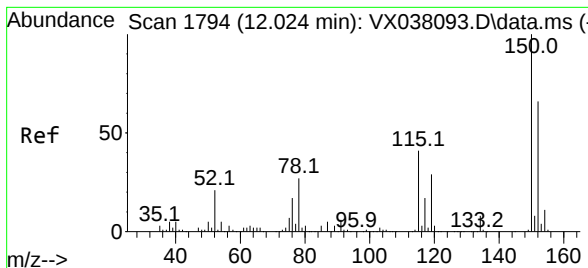
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#69
o-Xylene
Concen: 4.409 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

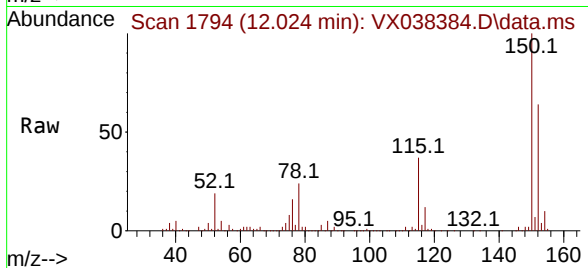
Tgt Ion:106 Resp: 14408
Ion Ratio Lower Upper
106 100
91 209.0 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

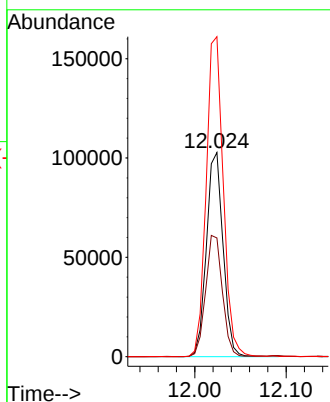
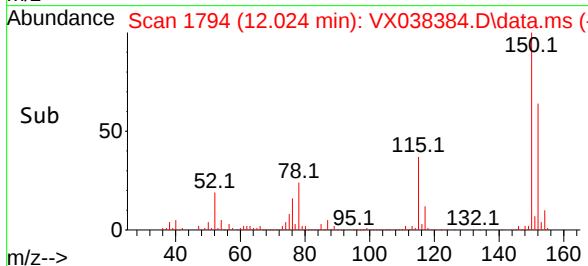
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion:152 Resp: 12961
Ion Ratio Lower Upper
152 100
115 59.7 43.3 129.9
150 160.9 0.0 345.0

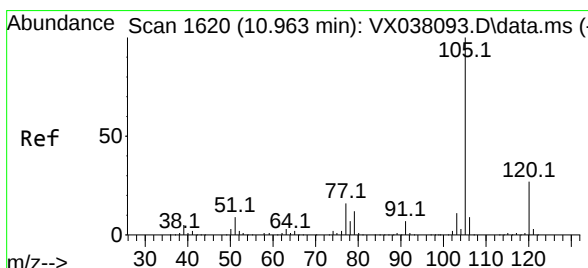
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Carlone

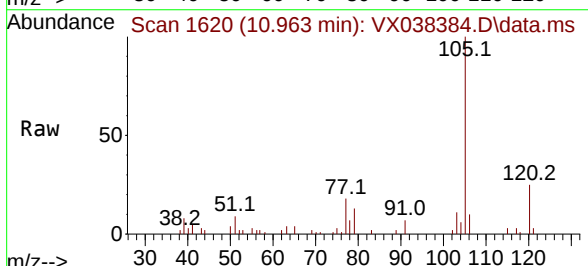


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Supervised By :Semsettin
Yesilyurt

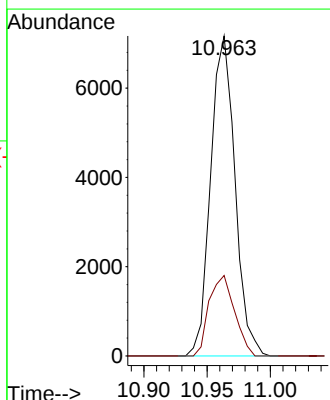
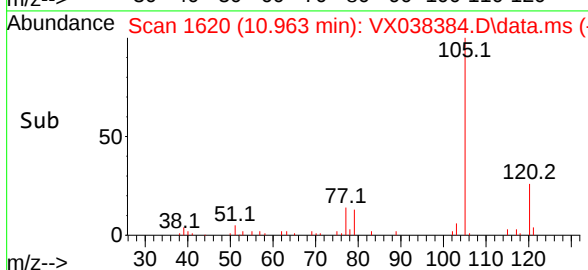
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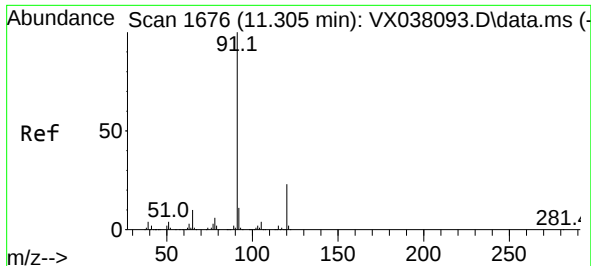


#73
Isopropylbenzene
Concen: 1.103 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



Tgt Ion:105 Resp: 9584
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.6





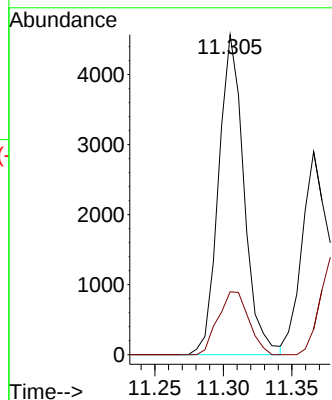
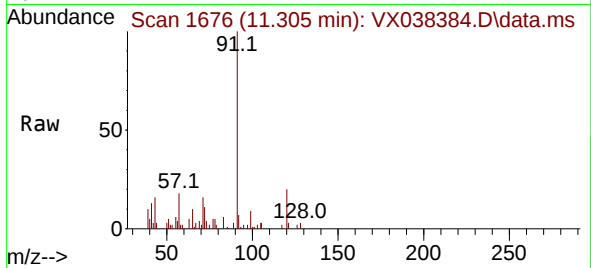
#78
n-propylbenzene
Concen: 0.554 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Tgt Ion: 91 Resp: 5880
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.4

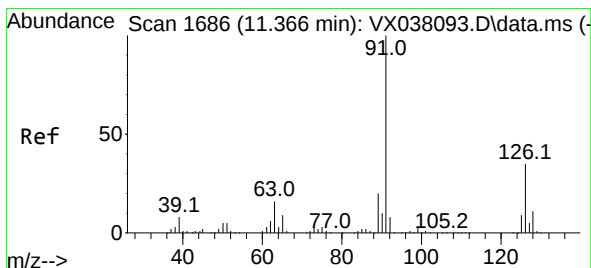
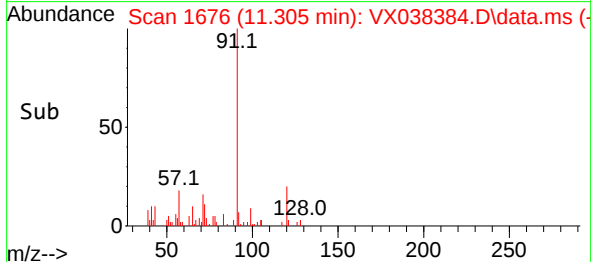
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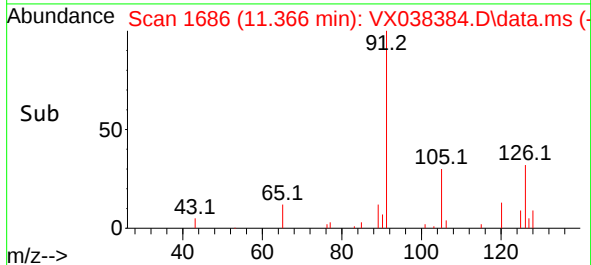
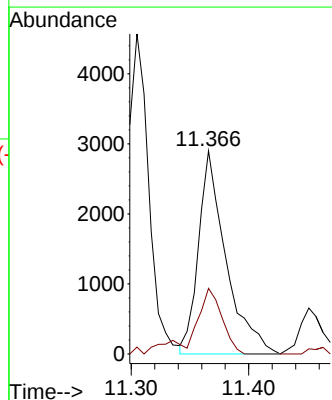
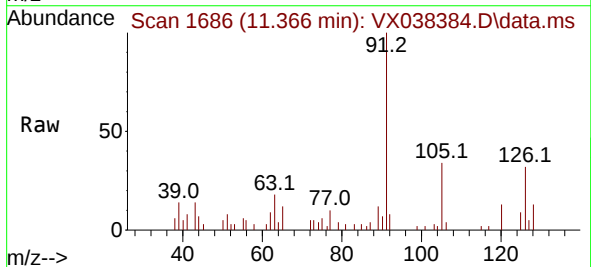
10/20/2023
Supervised By :Semsettin
Yesilyurt

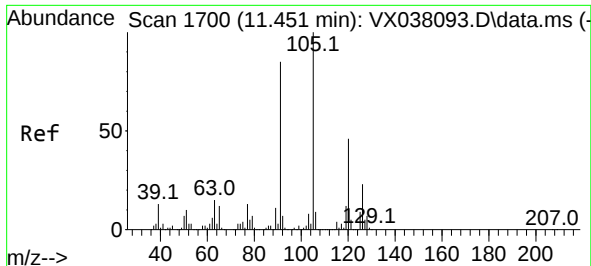
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#79
2-Chlorotoluene
Concen: 0.749 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

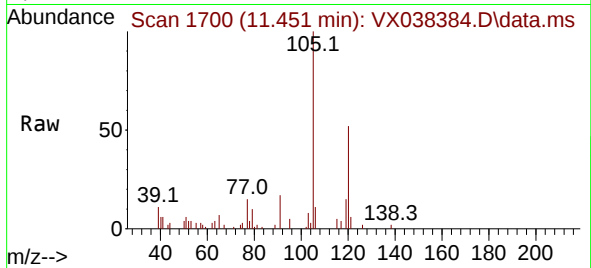
Tgt Ion: 91 Resp: 4719
Ion Ratio Lower Upper
91 100
126 33.8 16.3 48.8





#80
1,3,5-Trimethylbenzene
Concen: 0.596 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

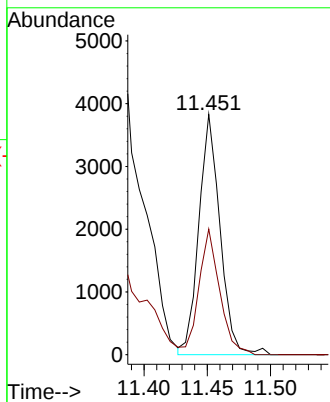
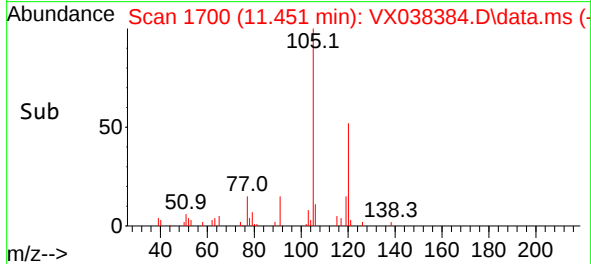
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion:105 Resp: 4470
Ion Ratio Lower Upper
105 100
120 51.5 24.1 72.3

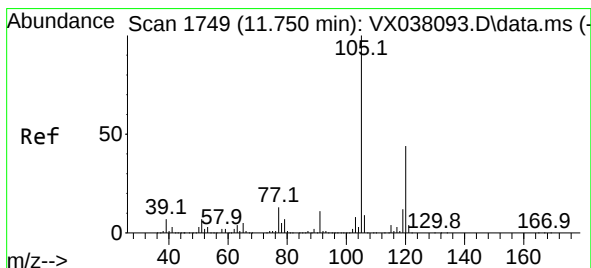
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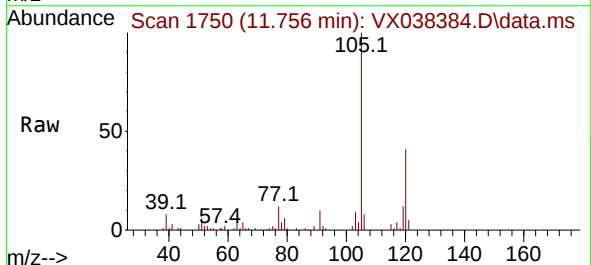


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Supervised By :Semsettin
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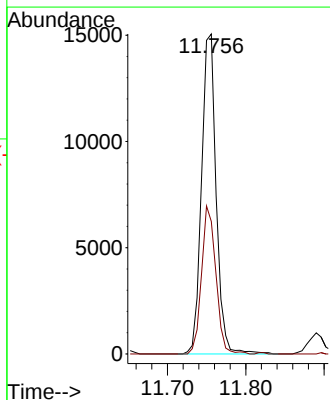
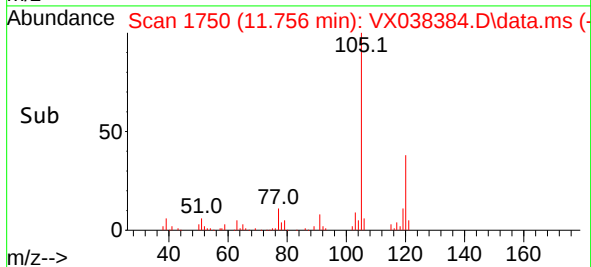
10/20/2023

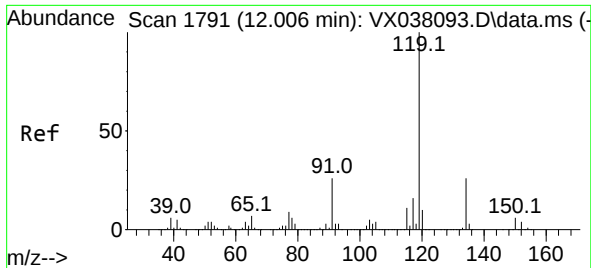


#84
1,2,4-Trimethylbenzene
Concen: 2.612 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



Tgt Ion:105 Resp: 19532
Ion Ratio Lower Upper
105 100
120 45.1 21.2 63.6





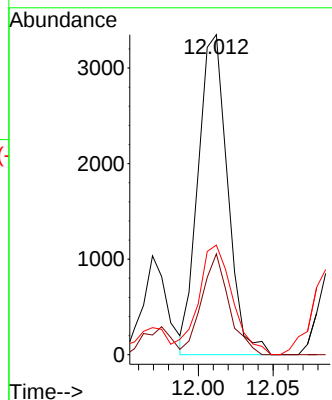
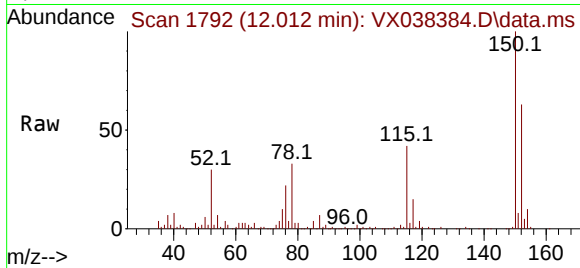
#86
p-Isopropyltoluene
Concen: 0.586 ug/l
RT: 12.012 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA

Tgt Ion:119 Resp: 458
Ion Ratio Lower Upper
119 100
134 29.3 12.8 38.3
91 40.1 13.1 39.3

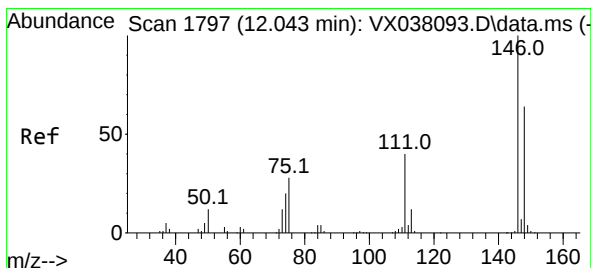
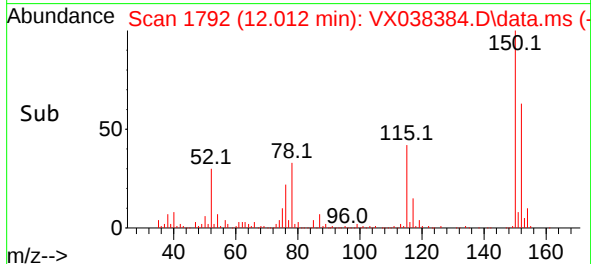
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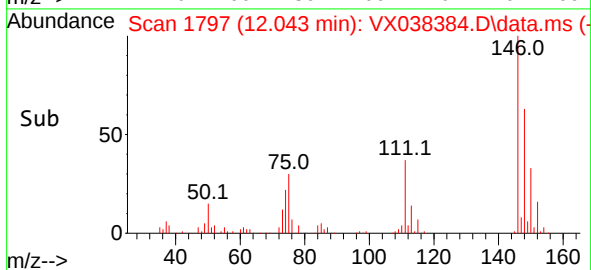
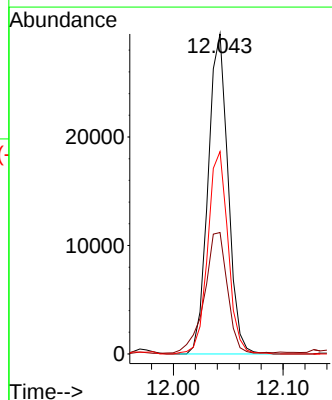
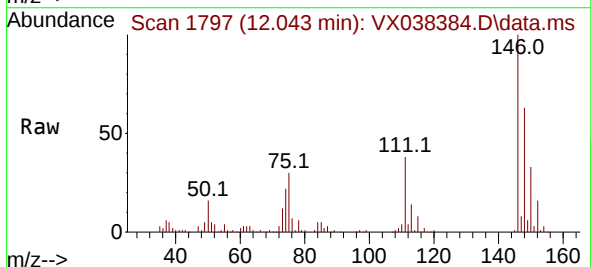
10/20/2023
Supervised By :Semsettin
Yesilyurt

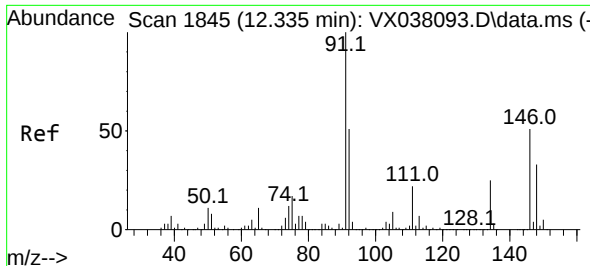
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#88
1,4-Dichlorobenzene
Concen: 8.576 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

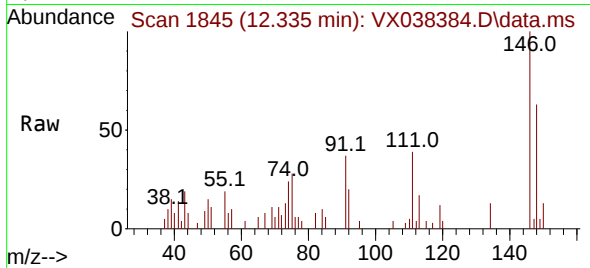
Tgt Ion:146 Resp: 37320
Ion Ratio Lower Upper
146 100
111 43.2 21.3 63.7
148 64.4 31.8 95.4





#91
1,2-Dichlorobenzene
Concen: 0.550 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38

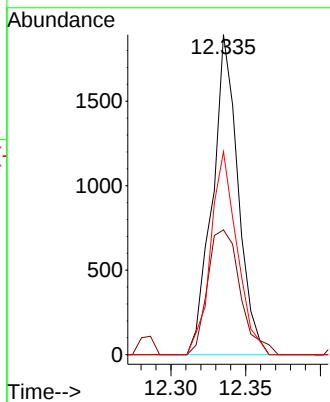
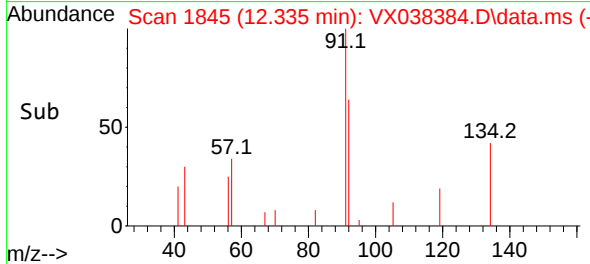
Instrument :
MSVOA_X
ClientSampleId :
23101857-01-VOA



Tgt Ion:146 Resp: 2254
Ion Ratio Lower Upper
146 100
111 49.9 22.4 67.0
148 65.2 31.6 95.0

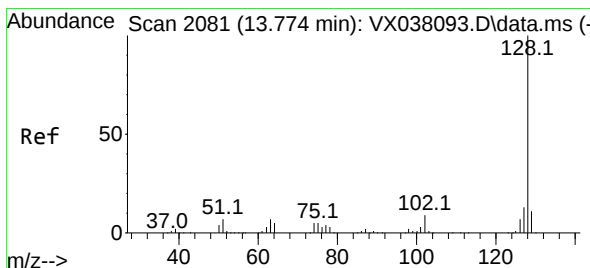
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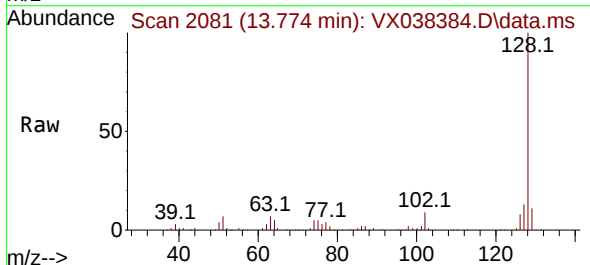


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Supervised By :Semsettin
Yesilyurt

10/20/2023



#95
Naphthalene
Concen: 5.711 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX038384.D
Acq: 19 Oct 2023 14:38



Tgt Ion:128 Resp: 54659
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 8.8 13.2

