

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038733.D
 Acq On : 10 Nov 2023 16:57
 Operator : JC/MD
 Sample : 05331-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Nov 11 01:56:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	255371	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	422768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	261773	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	147849	46.504	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.000%
35) Dibromofluoromethane	5.385	113	140359	46.096	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.200%
50) Toluene-d8	8.647	98	505244	46.370	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.740%
62) 4-Bromofluorobenzene	11.079	95	221351	52.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.800%

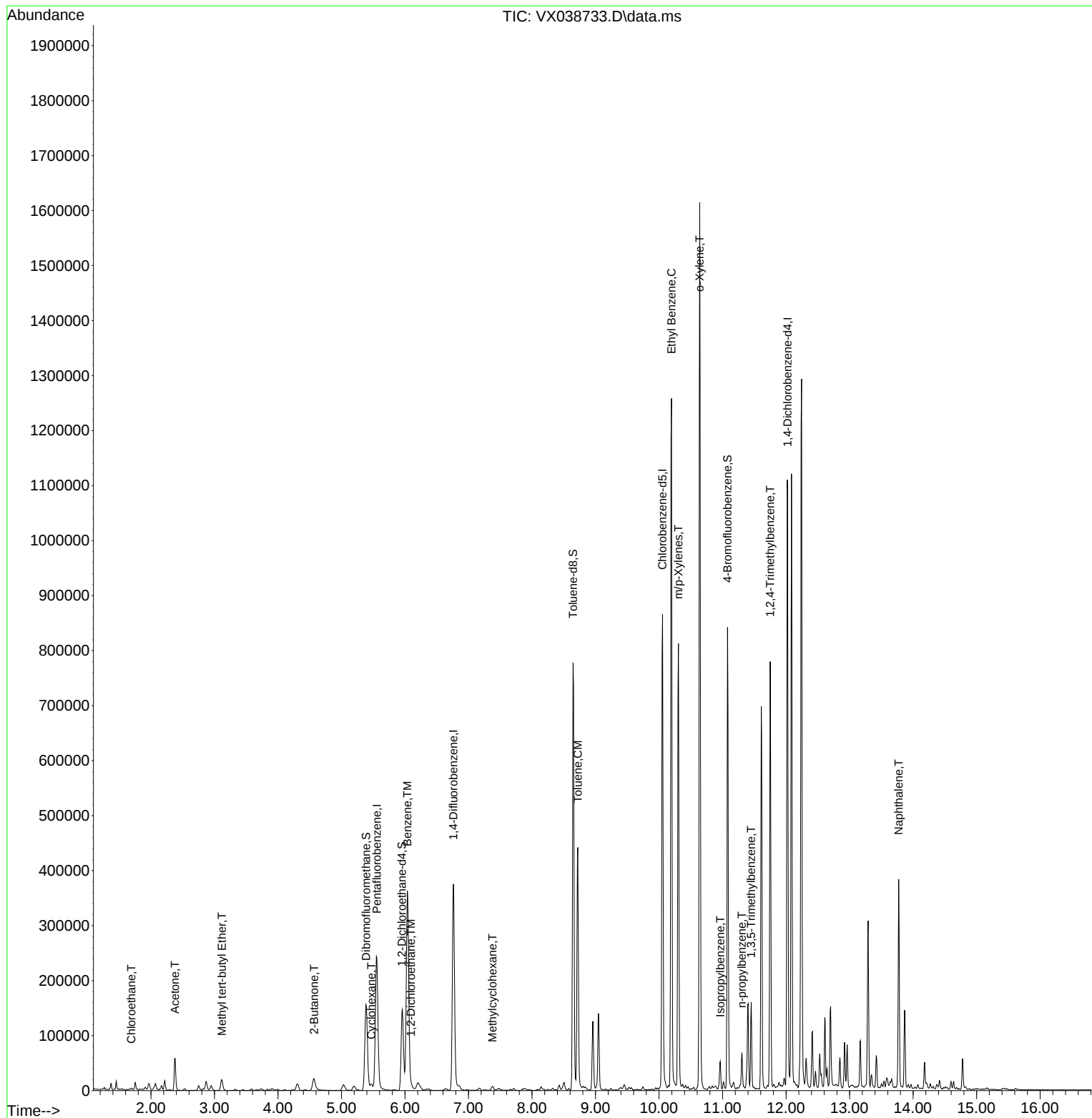
Target Compounds						Qvalue
6) Chloroethane	1.691	64	1755	1.136	ug/l	89
16) Acetone	2.380	43	62855	46.943	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	21093	2.768	ug/l	92
25) 2-Butanone	4.568	43	15941	8.219	ug/l	95
31) Cyclohexane	5.471	56	7061	2.007	ug/l	99
39) Methylcyclohexane	7.379	83	2929	0.619	ug/l #	88
40) Benzene	6.037	78	468075	42.965	ug/l	98
42) 1,2-Dichloroethane	6.092	62	9463	2.407	ug/l	94
52) Toluene	8.720	92	180385	25.276	ug/l	96
67) Ethyl Benzene	10.195	91	756805	49.542	ug/l	99
68) m/p-Xylenes	10.305	106	197408	32.560	ug/l	94
69) o-Xylene	10.640	106	360645	61.169	ug/l	97
73) Isopropylbenzene	10.963	105	24431	1.521	ug/l	97
78) n-propylbenzene	11.305	91	40415	2.163	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	69399	5.021	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	347971	25.383	ug/l	95
95) Naphthalene	13.774	128	242508	13.658	ug/l	100

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

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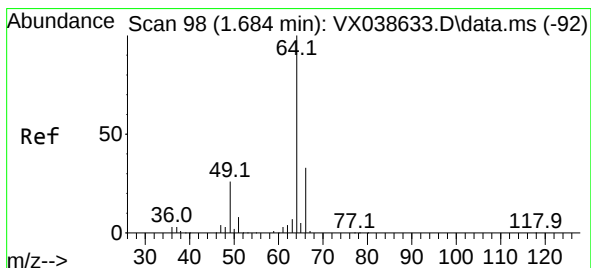
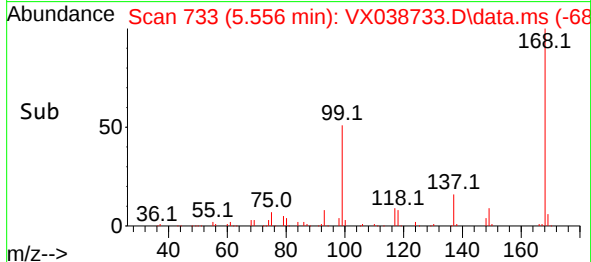
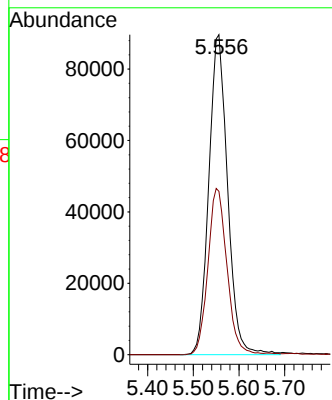
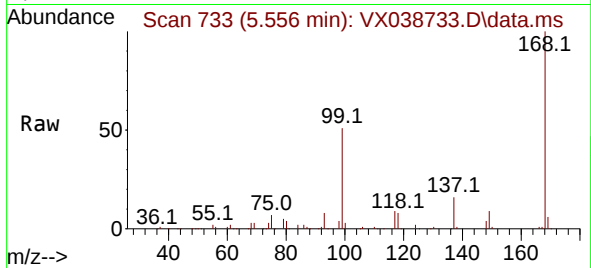




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

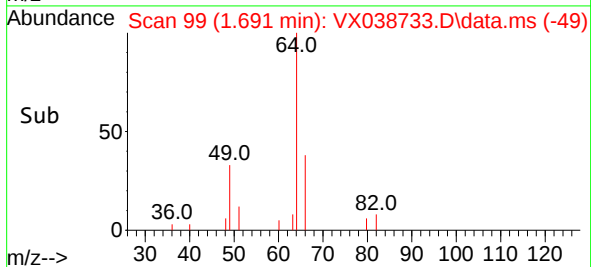
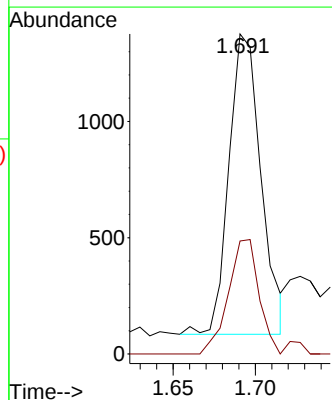
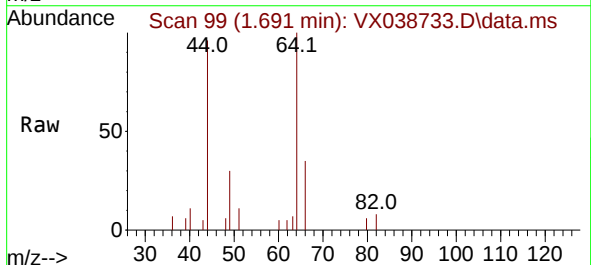
Instrument :
MSVOA_X
ClientSampleId :
MW-12

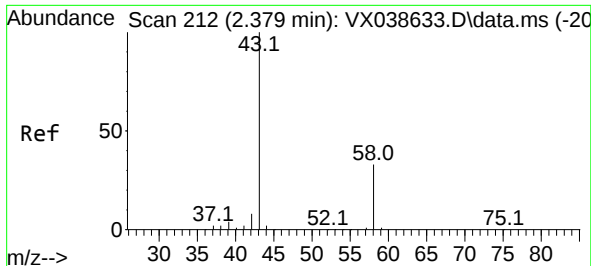
Tgt Ion:168 Resp: 255371
Ion Ratio Lower Upper
168 100
99 51.0 56.6 85.0#



#6
Chloroethane
Concen: 1.136 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 64 Resp: 1755
Ion Ratio Lower Upper
64 100
66 37.6 25.1 37.7

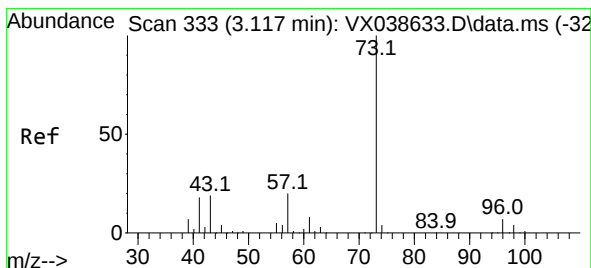
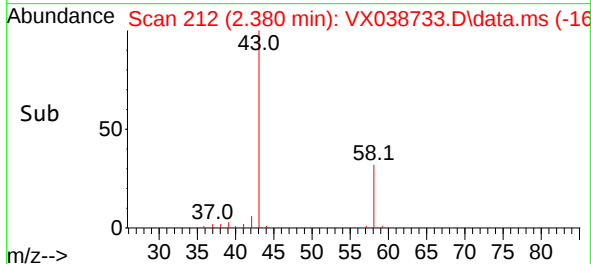
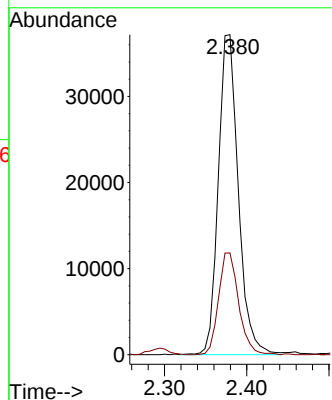
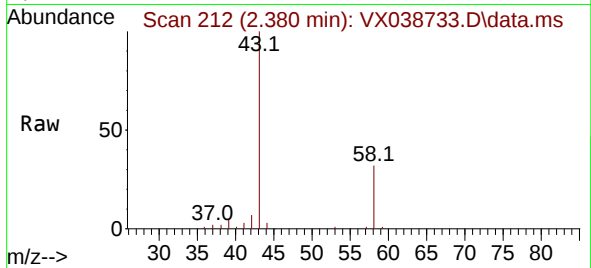




#16
Acetone
Concen: 46.943 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

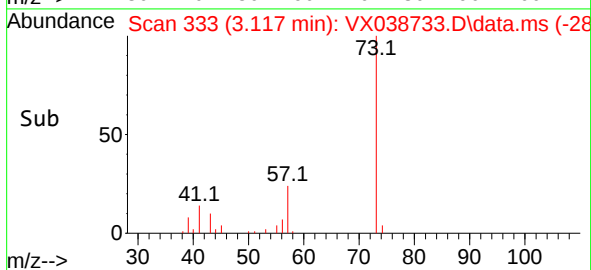
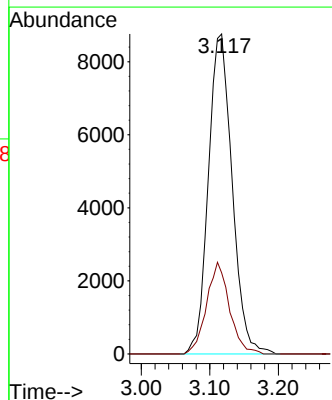
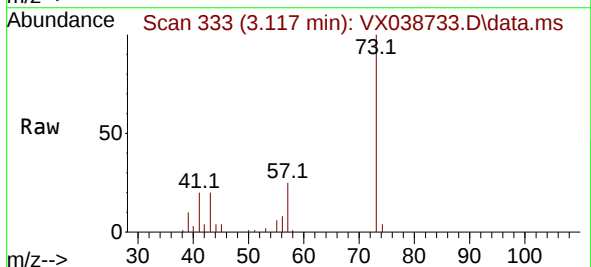
Instrument :
MSVOA_X
ClientSampleId :
MW-12

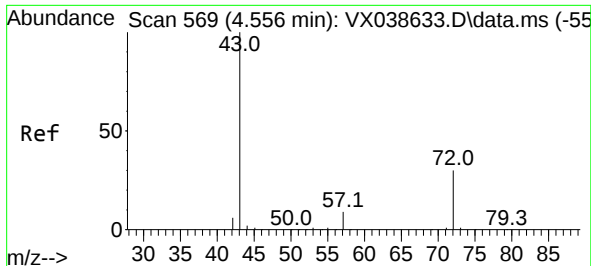
Tgt Ion: 43 Resp: 62855
Ion Ratio Lower Upper
43 100
58 31.8 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 2.768 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 73 Resp: 21093
Ion Ratio Lower Upper
73 100
57 25.3 17.3 25.9





#25

2-Butanone

Concen: 8.219 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

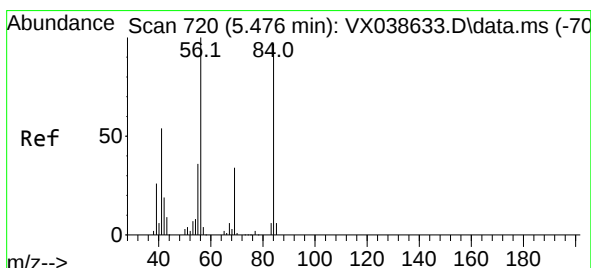
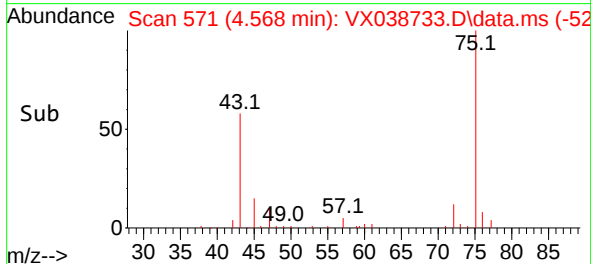
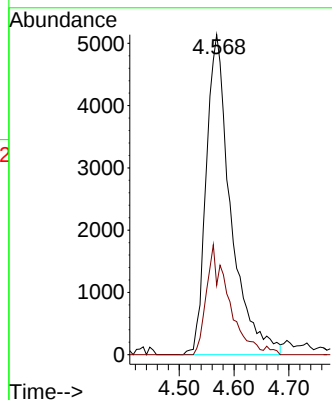
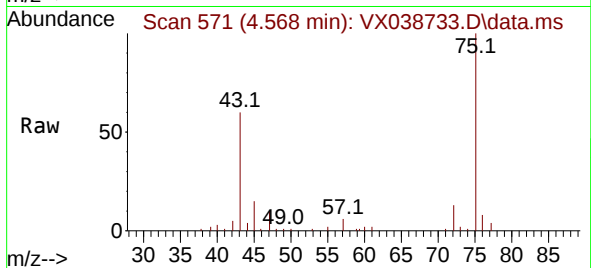
MW-12

Tgt Ion: 43 Resp: 15941

Ion Ratio Lower Upper

43 100

72 21.7 19.4 29.2



#31

Cyclohexane

Concen: 2.007 ug/l

RT: 5.471 min Scan# 719

Delta R.T. -0.006 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

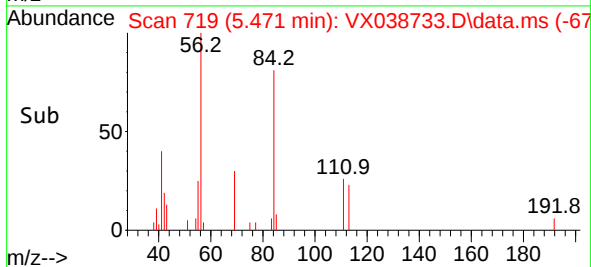
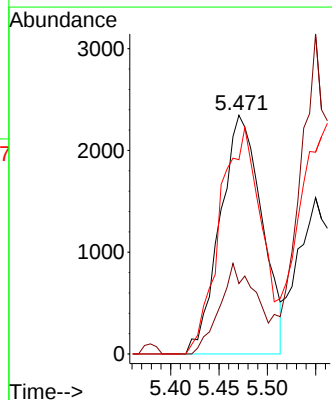
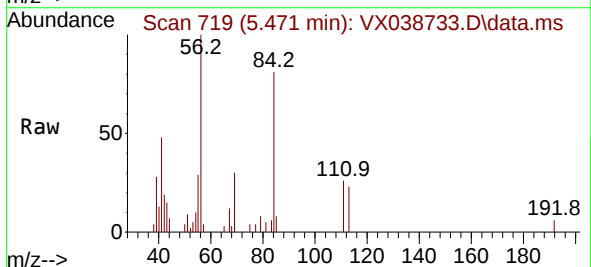
Tgt Ion: 56 Resp: 7061

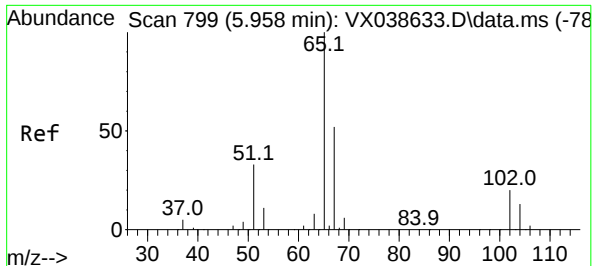
Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.2

84 81.4 65.9 98.9

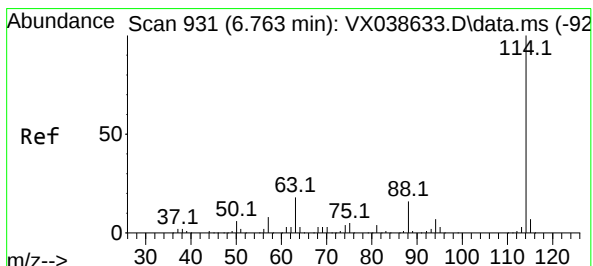
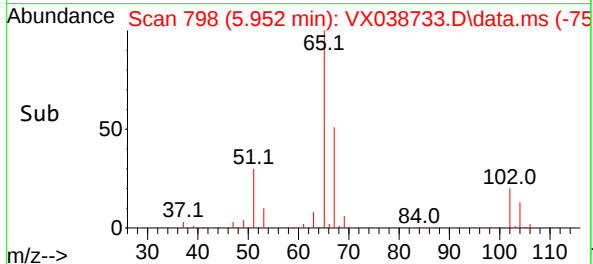
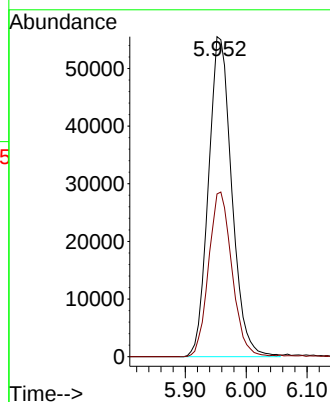
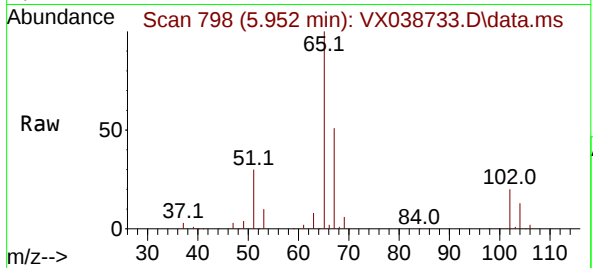




#33
 1,2-Dichloroethane-d4
 Concen: 46.504 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX038733.D
 Acq: 10 Nov 2023 16:57

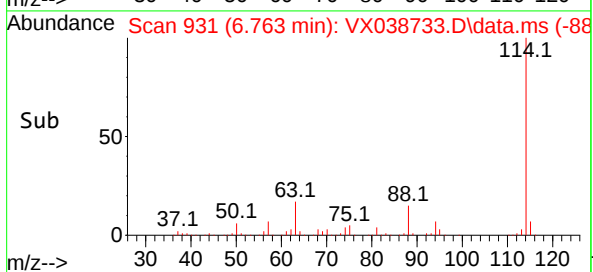
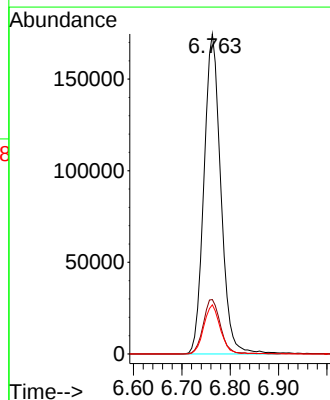
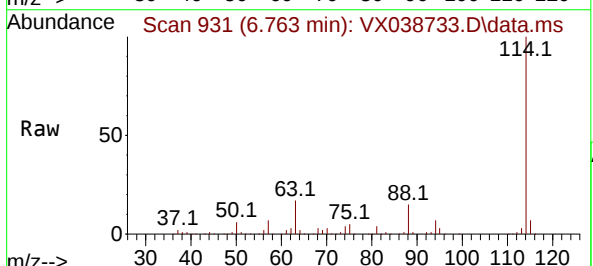
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

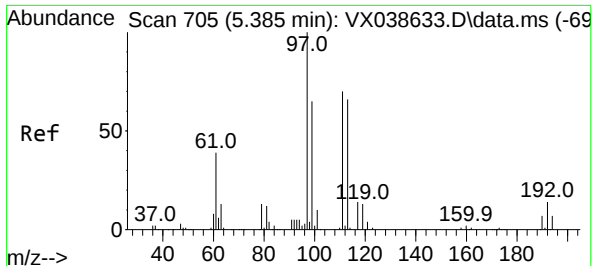
Tgt Ion: 65 Resp: 147849
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038733.D
 Acq: 10 Nov 2023 16:57

Tgt Ion: 114 Resp: 422768
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 45.0
 88 15.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.096 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12

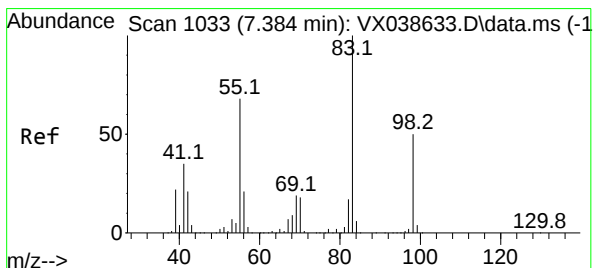
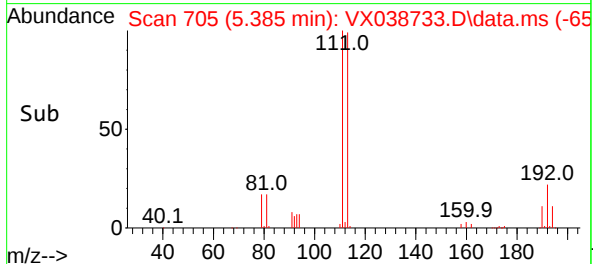
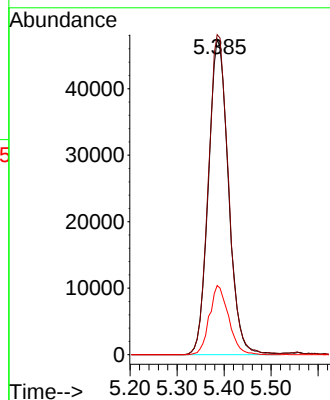
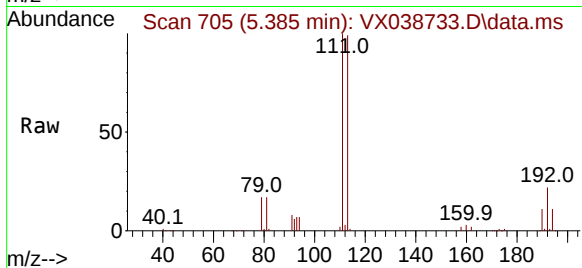
Tgt Ion:113 Resp: 140359

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

192 21.0 13.3 19.9#



#39

Methylcyclohexane

Concen: 0.619 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

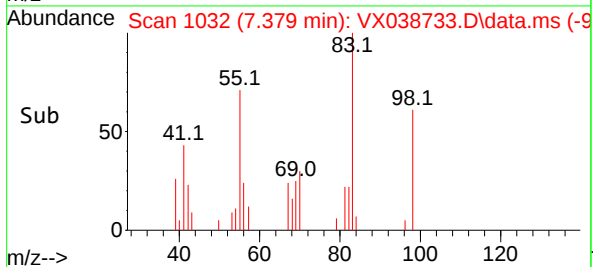
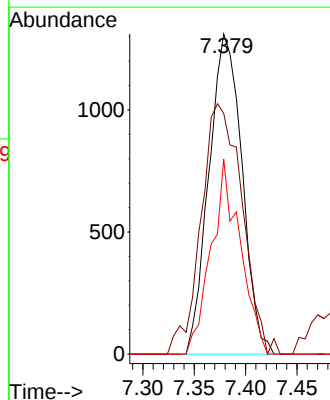
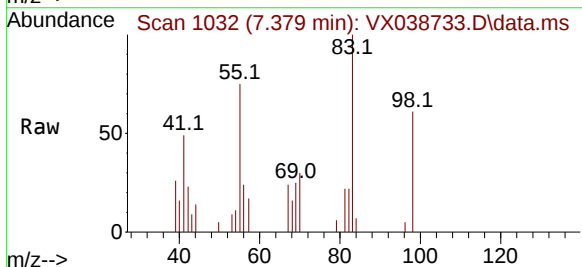
Tgt Ion: 83 Resp: 2929

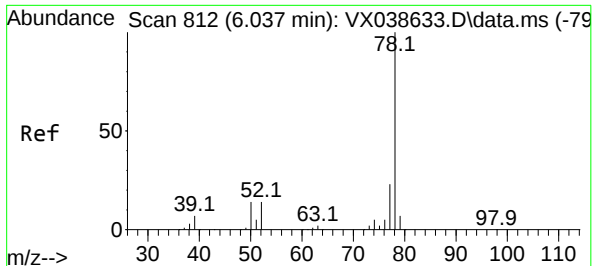
Ion Ratio Lower Upper

83 100

55 75.2 64.6 97.0

98 60.9 36.7 55.1#

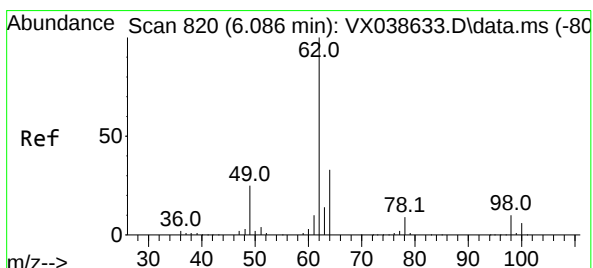
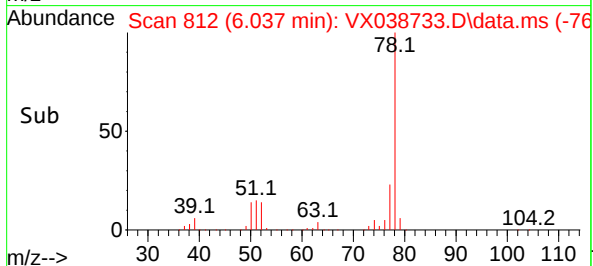
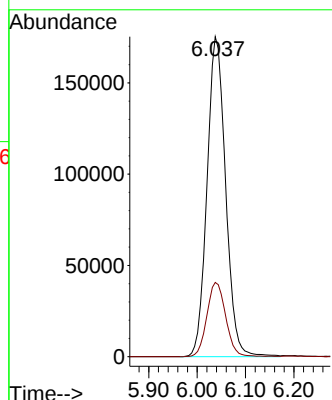
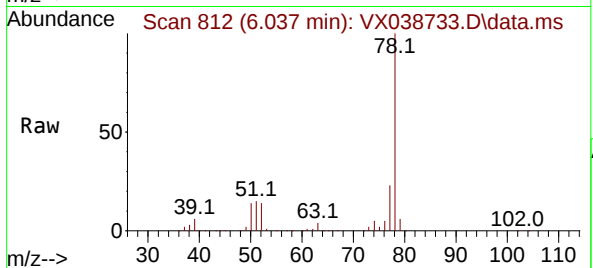




#40
Benzene
Concen: 42.965 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

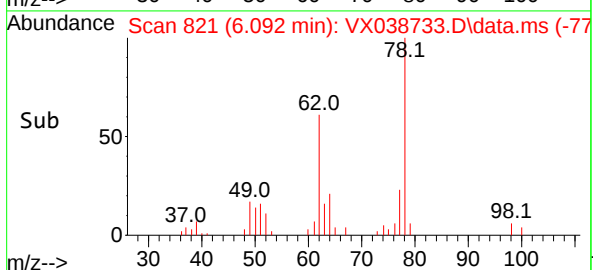
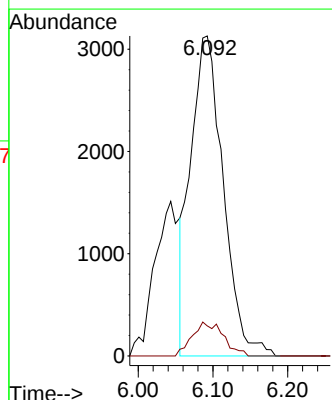
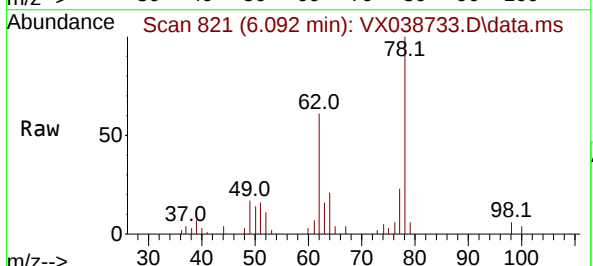
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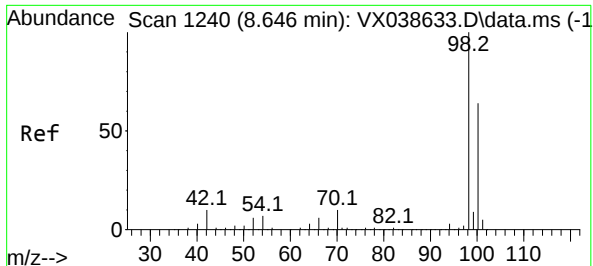
Tgt Ion: 78 Resp: 468075
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9



#42
1,2-Dichloroethane
Concen: 2.407 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 62 Resp: 9463
Ion Ratio Lower Upper
62 100
98 10.1 0.0 16.0

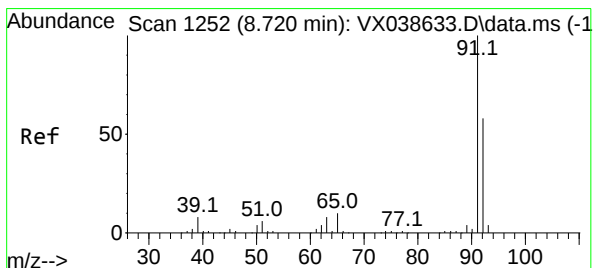
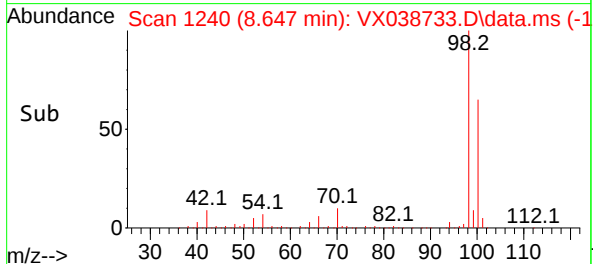
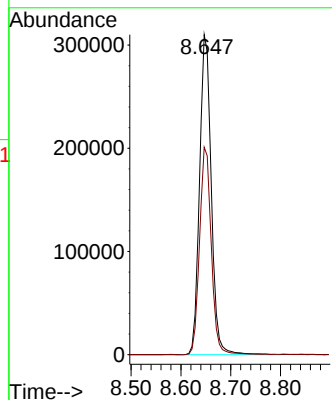
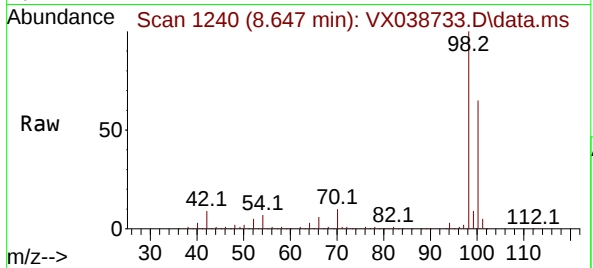




#50
Toluene-d8
Concen: 46.370 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

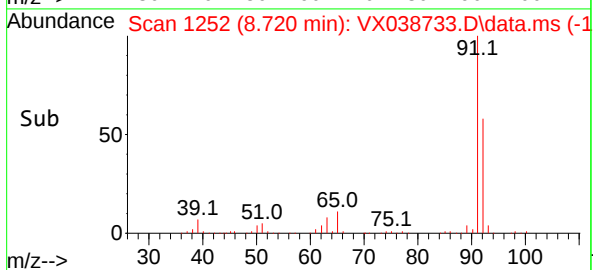
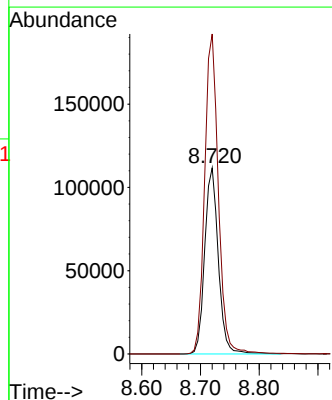
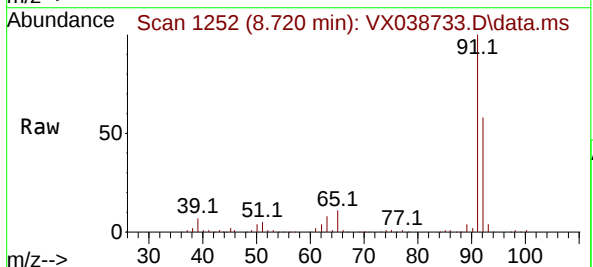
Instrument :
MSVOA_X
ClientSampleId :
MW-12

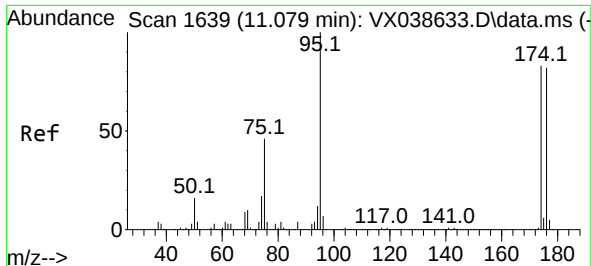
Tgt Ion: 98 Resp: 505244
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#52
Toluene
Concen: 25.276 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 92 Resp: 180385
Ion Ratio Lower Upper
92 100
91 172.8 134.2 201.2

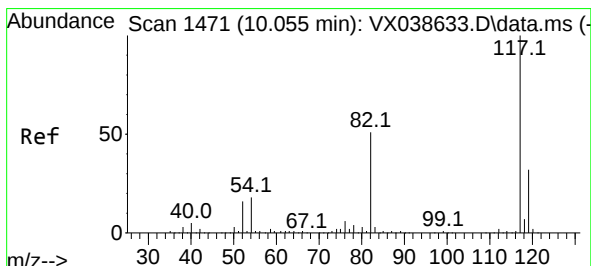
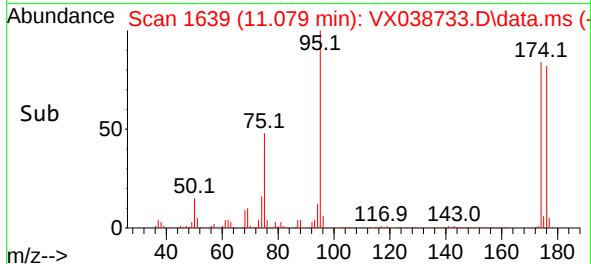
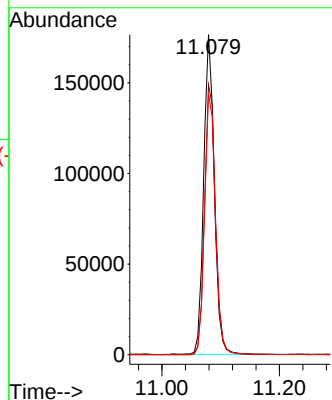
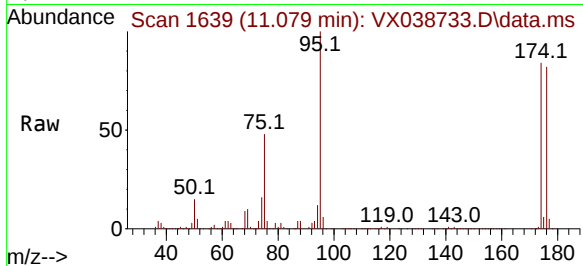




#62
4-Bromofluorobenzene
Concen: 52.397 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

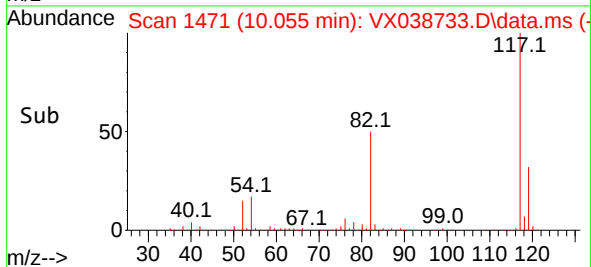
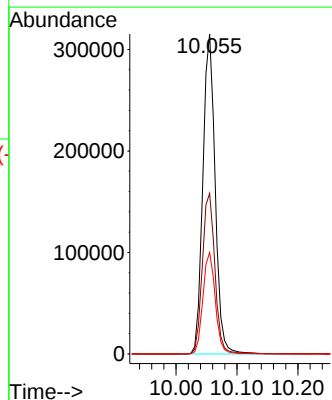
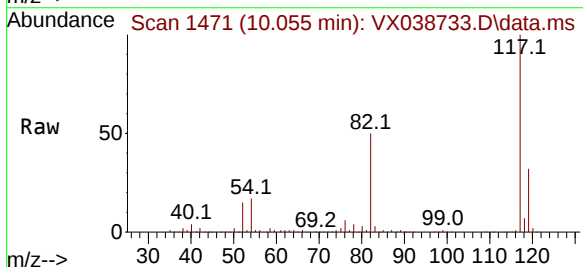
Instrument :
MSVOA_X
ClientSampleId :
MW-12

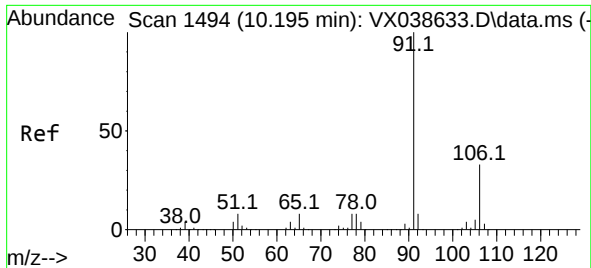
Tgt Ion: 95 Resp: 221351
Ion Ratio Lower Upper
95 100
174 87.1 0.0 135.6
176 83.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 117 Resp: 443633
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 31.7 25.5 38.3

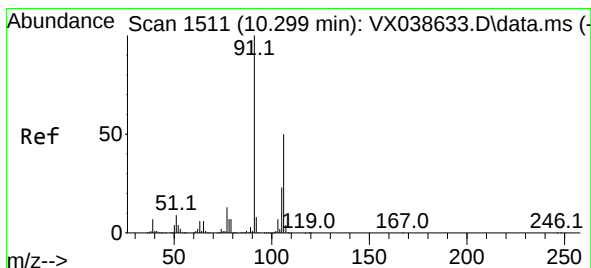
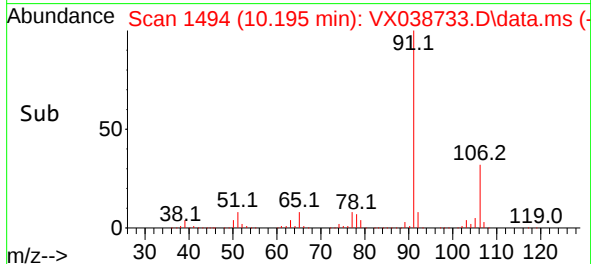
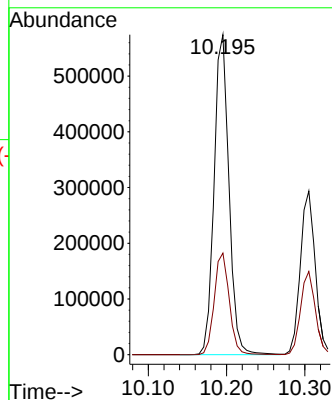
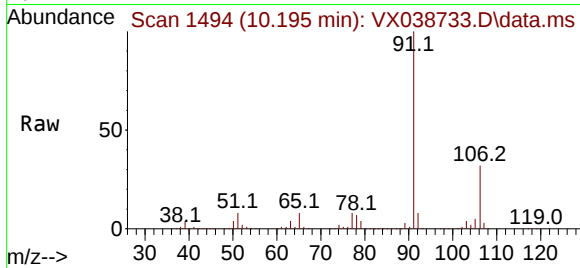




#67
Ethyl Benzene
Concen: 49.542 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

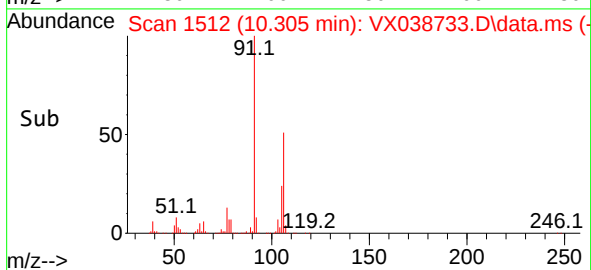
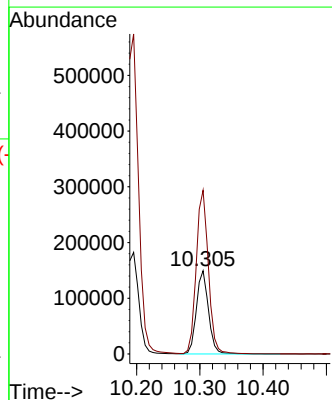
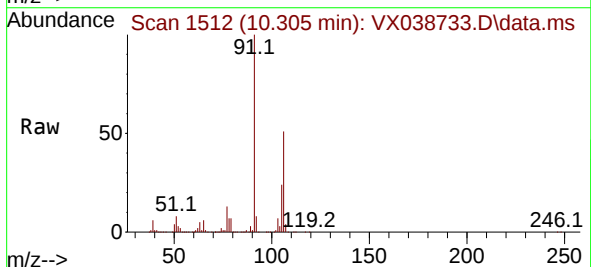
Instrument :
MSVOA_X
ClientSampleId :
MW-12

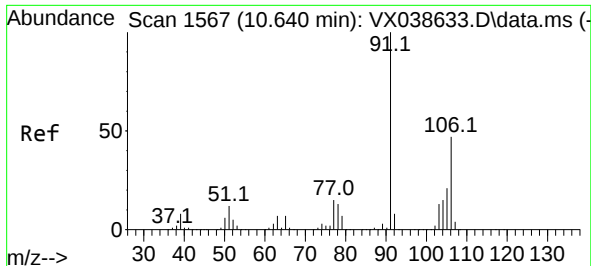
Tgt Ion: 91 Resp: 756805
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 32.560 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion: 106 Resp: 197408
Ion Ratio Lower Upper
106 100
91 198.3 165.5 248.3

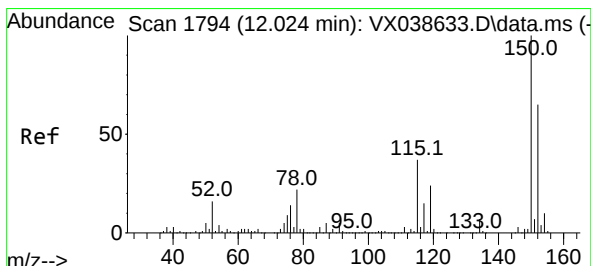
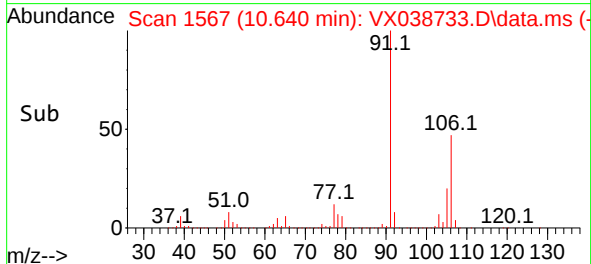
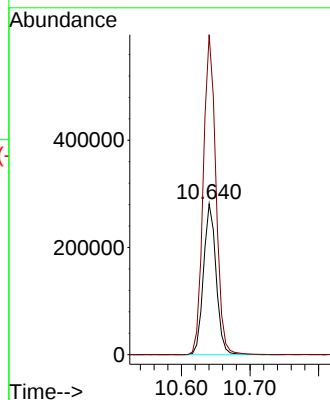
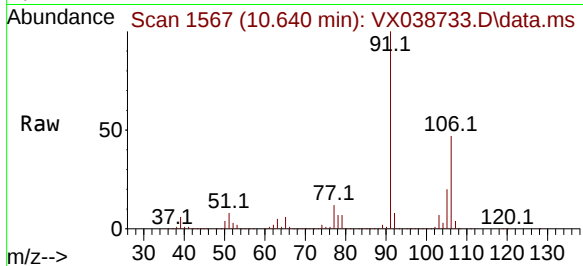




#69
o-Xylene
Concen: 61.169 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

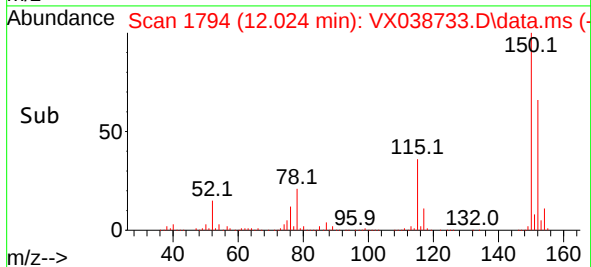
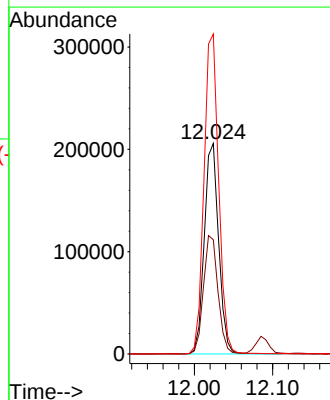
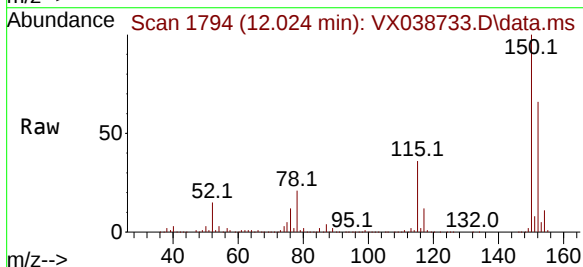
Instrument :
MSVOA_X
ClientSampleId :
MW-12

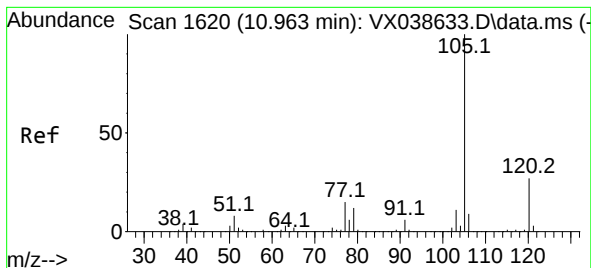
Tgt Ion:106 Resp: 360645
Ion Ratio Lower Upper
106 100
91 212.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Tgt Ion:152 Resp: 261773
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.9
150 155.2 0.0 345.0





#73

Isopropylbenzene

Concen: 1.521 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

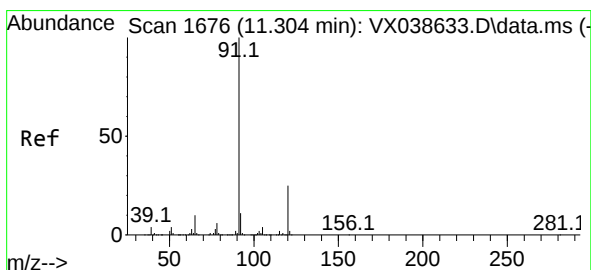
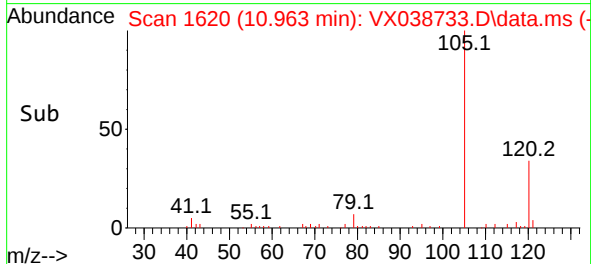
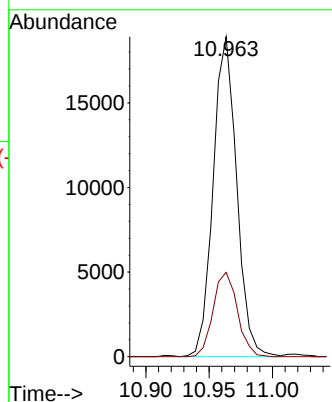
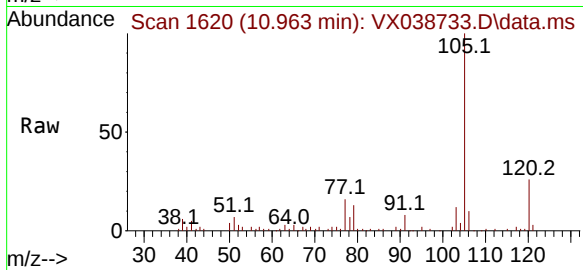
MW-12

Tgt Ion:105 Resp: 24431

Ion Ratio Lower Upper

105 100

120 27.1 12.9 38.6



#78

n-propylbenzene

Concen: 2.163 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038733.D

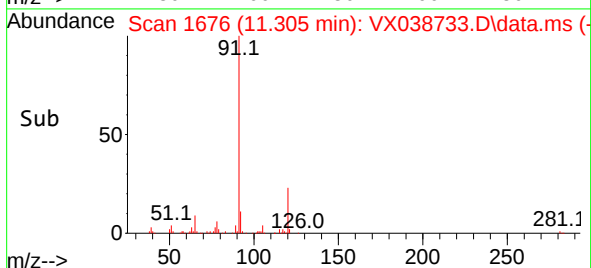
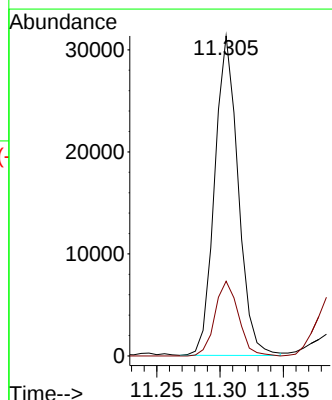
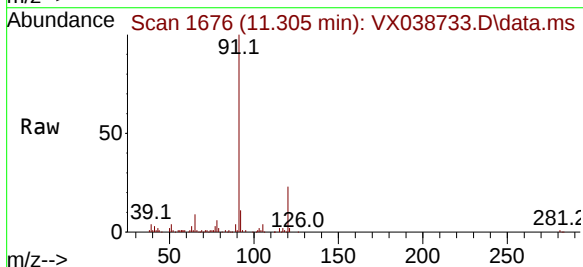
Acq: 10 Nov 2023 16:57

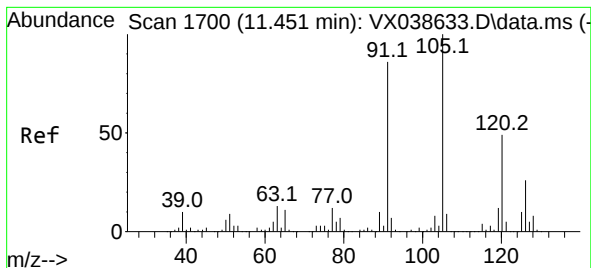
Tgt Ion: 91 Resp: 40415

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 5.021 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038733.D

Acq: 10 Nov 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

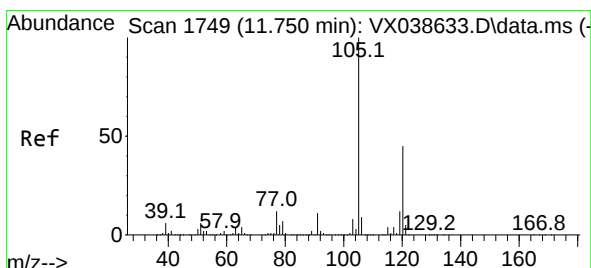
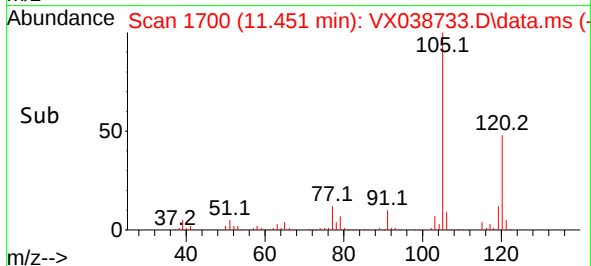
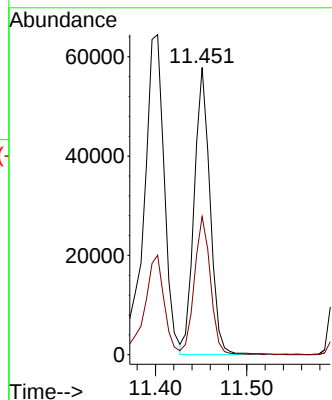
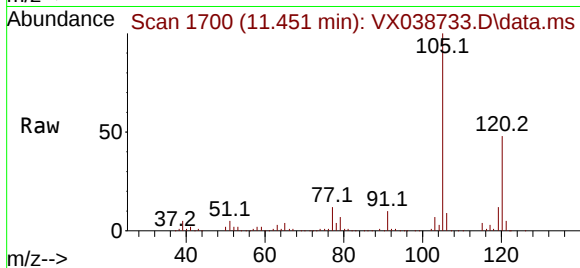
MW-12

Tgt Ion:105 Resp: 69399

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 25.383 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX038733.D

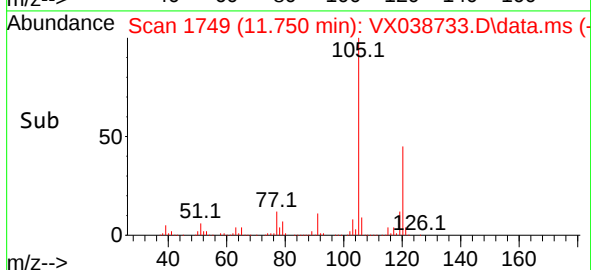
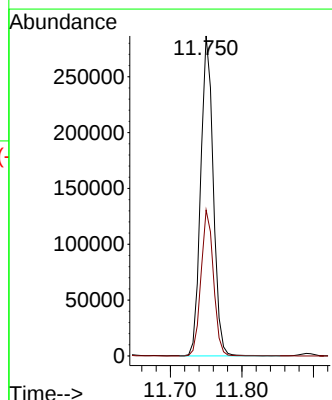
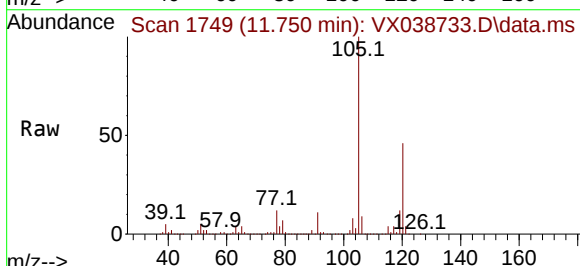
Acq: 10 Nov 2023 16:57

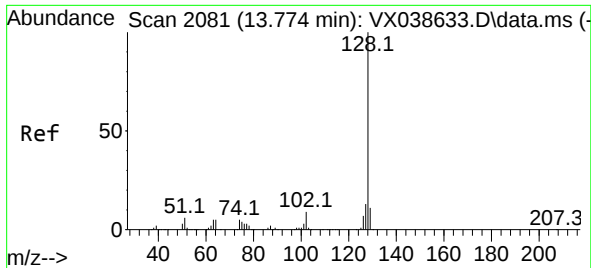
Tgt Ion:105 Resp: 347971

Ion Ratio Lower Upper

105 100

120 45.3 21.2 63.6





#95
Naphthalene
Concen: 13.658 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX038733.D
Acq: 10 Nov 2023 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tgt Ion:128 Resp: 242508
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.8 13.2

