

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010424\
 Data File : VX039626.D
 Acq On : 04 Jan 2024 17:27
 Operator : JC/MD
 Sample : P1038-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jan 05 00:44:34 2024
 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)

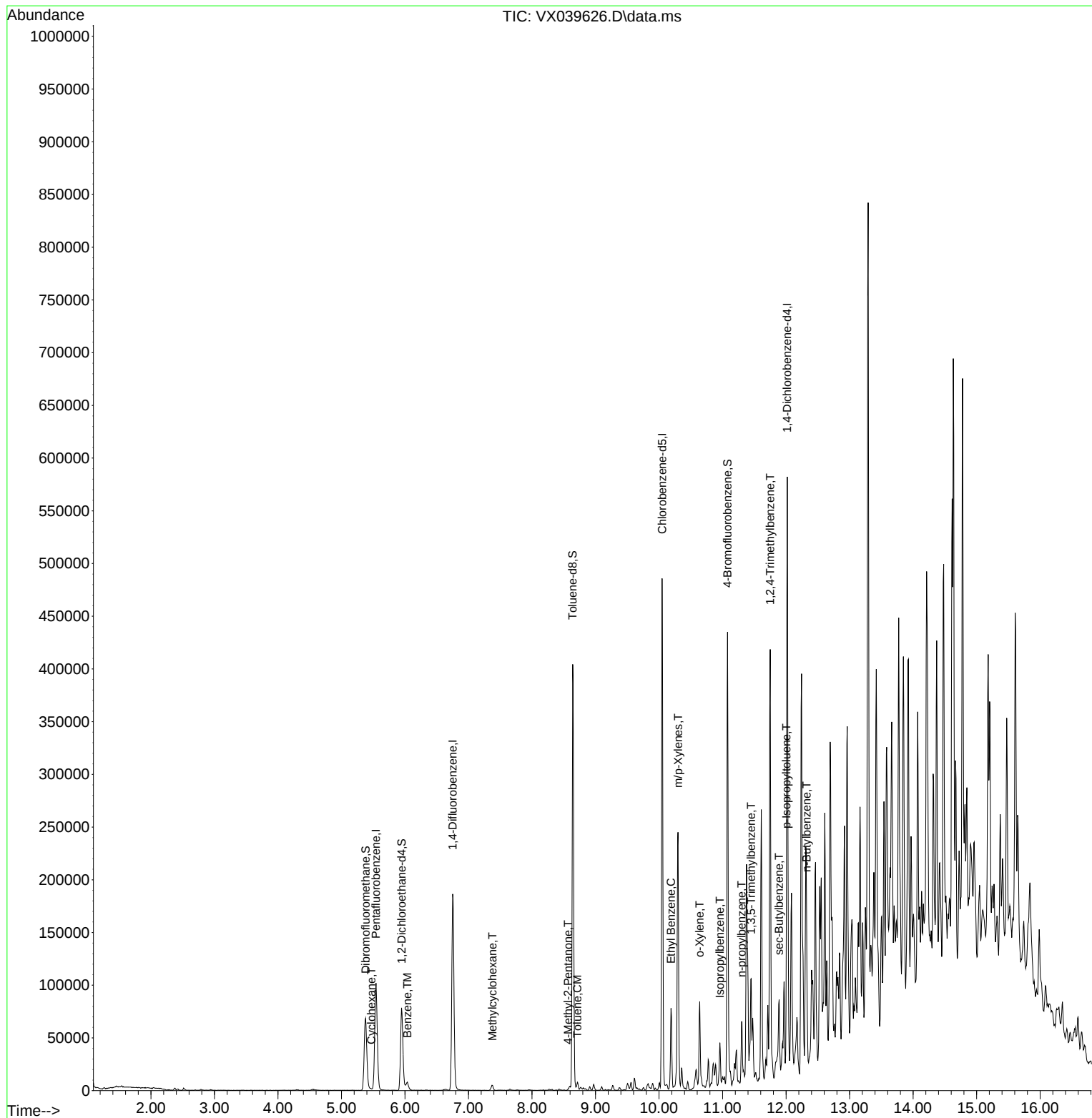
Internal Standards						
1) Pentafluorobenzene	5.544	168	87662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	183931	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	199699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73639	45.855	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.720%
35) Dibromofluoromethane	5.379	113	59602	46.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	8.641	98	240452	50.971	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.940%
62) 4-Bromofluorobenzene	11.079	95	111990	57.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.080%
Target Compounds						
					Qvalue	
31) Cyclohexane	5.471	56	869	0.419	ug/l	95
39) Methylcyclohexane	7.379	83	2197	0.912	ug/l	93
40) Benzene	6.037	78	8883	1.566	ug/l	94
51) 4-Methyl-2-Pentanone	8.568	43	1040	0.405	ug/l	98
52) Toluene	8.714	92	2525	0.738	ug/l	90
67) Ethyl Benzene	10.189	91	44334	5.464	ug/l	98
68) m/p-Xylenes	10.299	106	54085	18.591	ug/l	93
69) o-Xylene	10.640	106	16353	5.814	ug/l	93
73) Isopropylbenzene	10.957	105	19114	2.403	ug/l	98
78) n-propylbenzene	11.299	91	35211	3.593	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	40854	6.030	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	164562	23.684	ug/l	100
85) sec-Butylbenzene	11.890	105	21589	2.631	ug/l	96
86) p-Isopropyltoluene	12.006	119	15109	2.194	ug/l	97
89) n-Butylbenzene	12.323	91	25995	3.840	ug/l #	32

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

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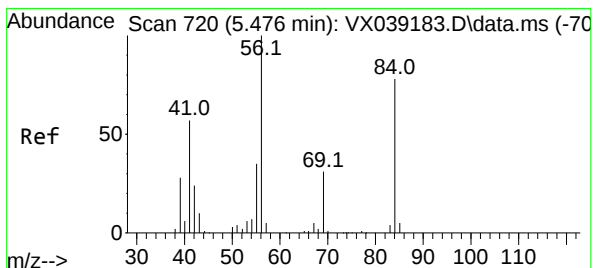
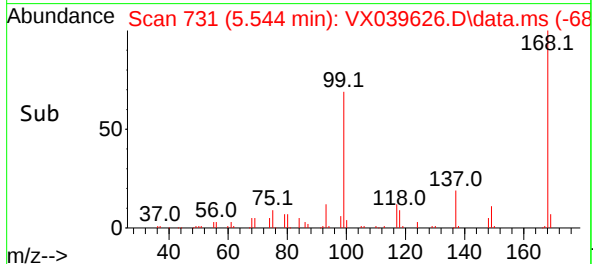
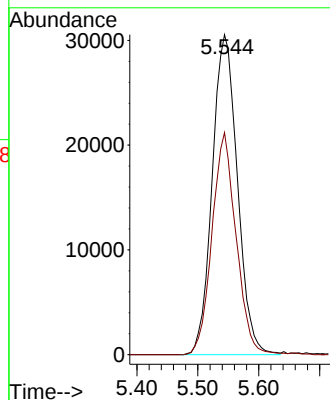
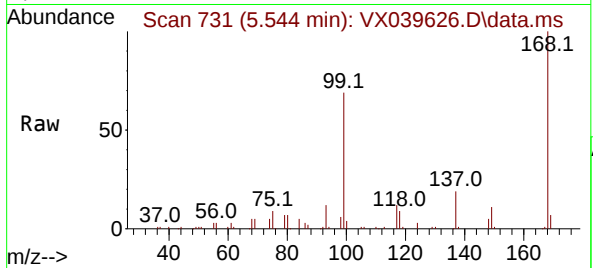




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

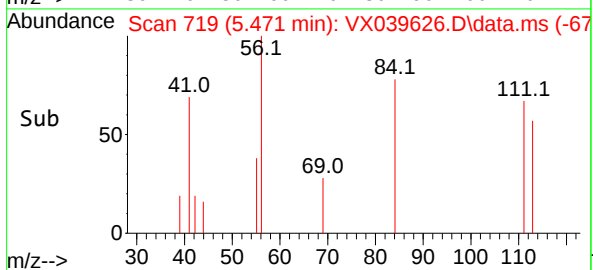
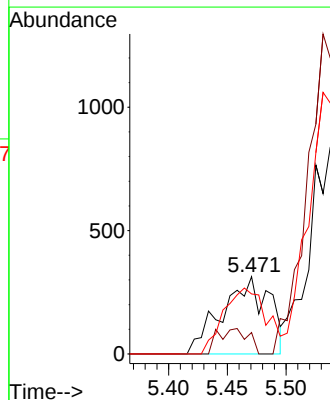
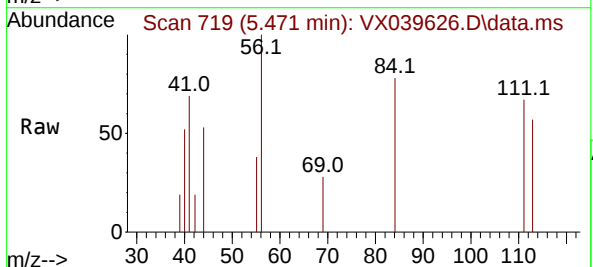
Instrument :
MSVOA_X
ClientSampleId :
MW-1

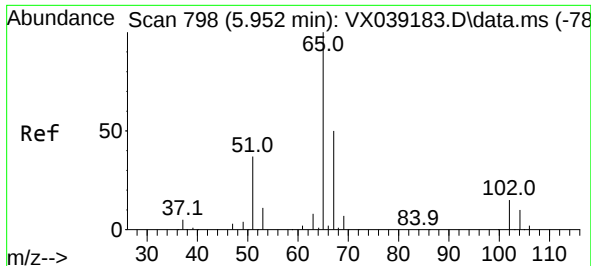
Tgt Ion:168 Resp: 87662
Ion Ratio Lower Upper
168 100
99 69.4 56.6 85.0



#31
Cyclohexane
Concen: 0.419 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

Tgt Ion: 56 Resp: 869
Ion Ratio Lower Upper
56 100
69 27.8 23.4 35.2
84 77.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 45.855 ug/l

RT: 5.946 min Scan# 74

Delta R.T. -0.006 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

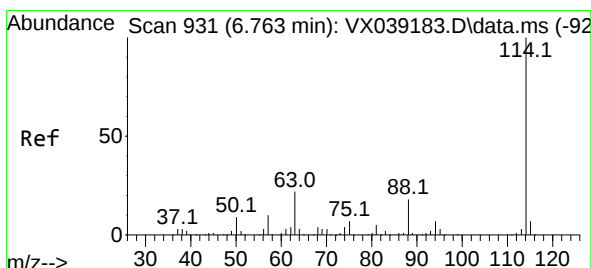
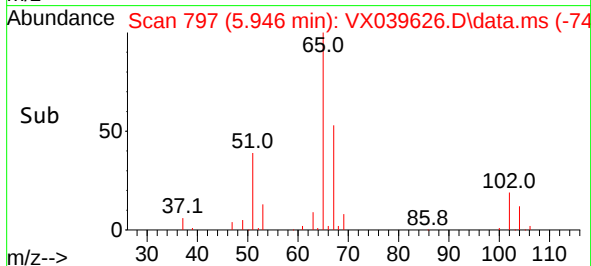
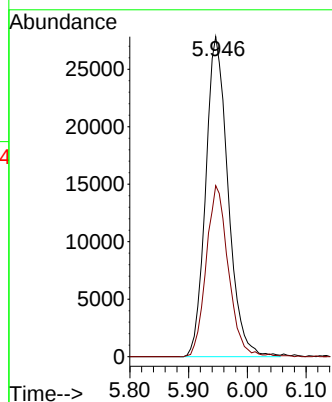
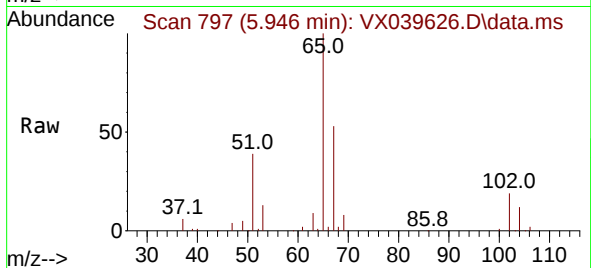
MW-1

Tgt Ion: 65 Resp: 73639

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.012 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

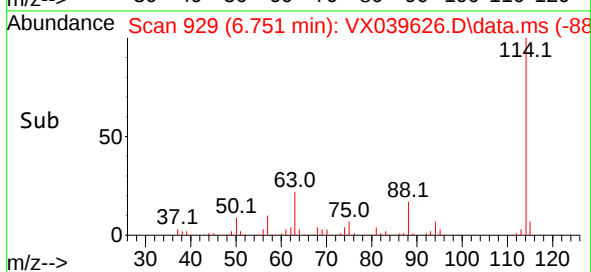
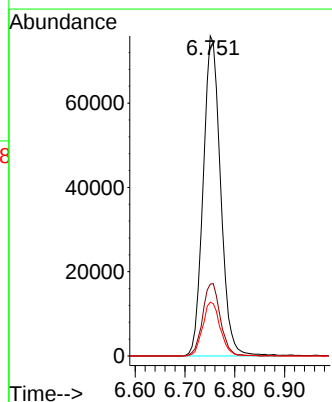
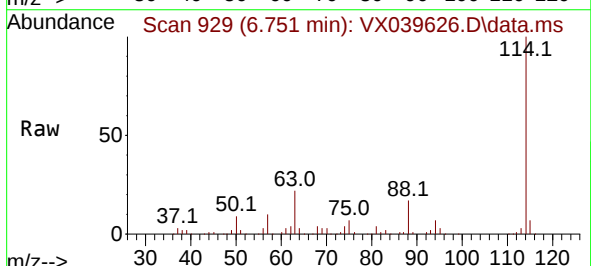
Tgt Ion: 114 Resp: 183931

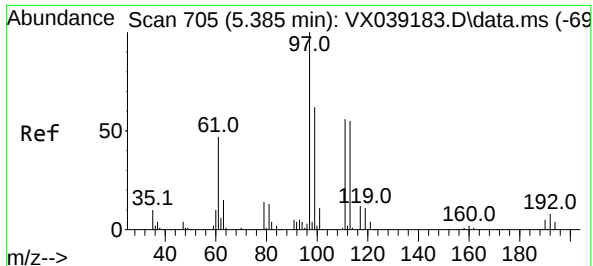
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 16.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.906 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1

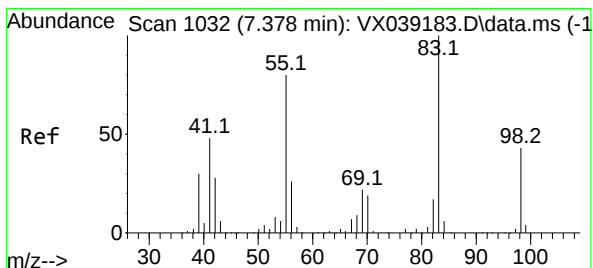
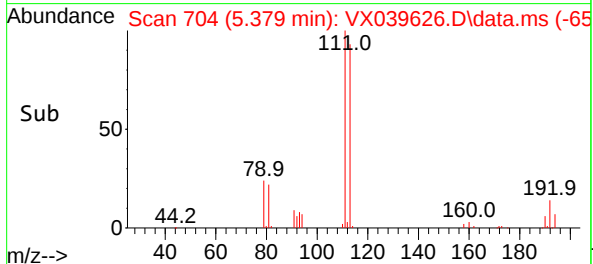
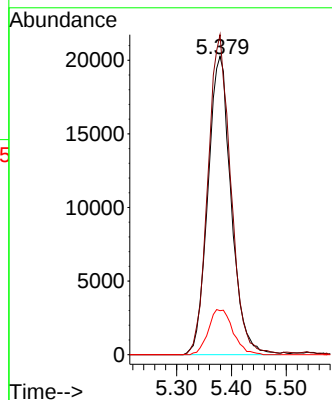
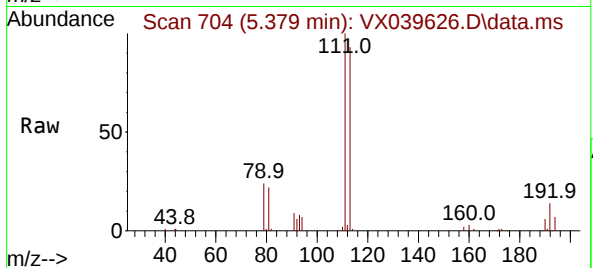
Tgt Ion:113 Resp: 59602

Ion Ratio Lower Upper

113 100

111 105.6 82.9 124.3

192 16.0 13.3 19.9



#39

Methylcyclohexane

Concen: 0.912 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

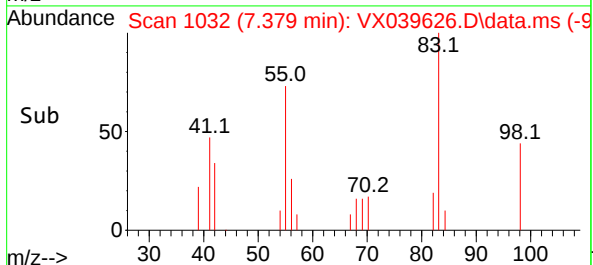
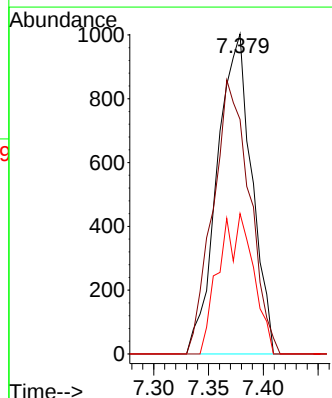
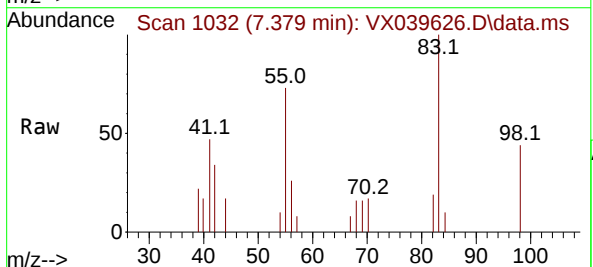
Tgt Ion: 83 Resp: 2197

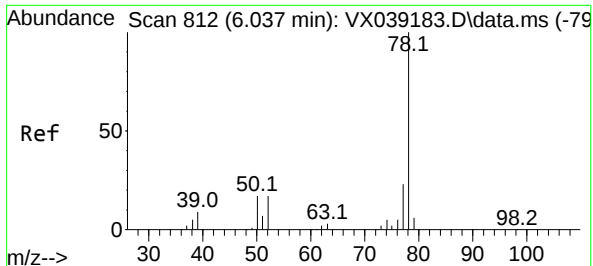
Ion Ratio Lower Upper

83 100

55 73.3 64.6 97.0

98 43.9 36.7 55.1





#40

Benzene

Concen: 1.566 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

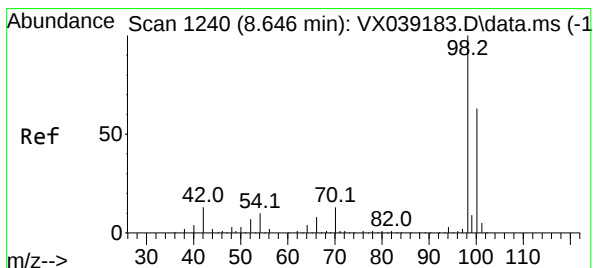
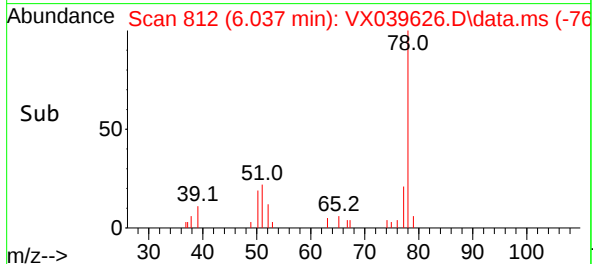
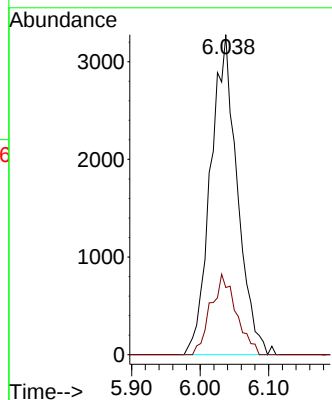
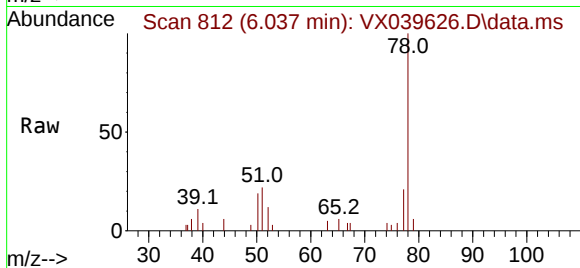
MW-1

Tgt Ion: 78 Resp: 8883

Ion Ratio Lower Upper

78 100

77 21.0 19.3 28.9



#50

Toluene-d8

Concen: 50.971 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX039626.D

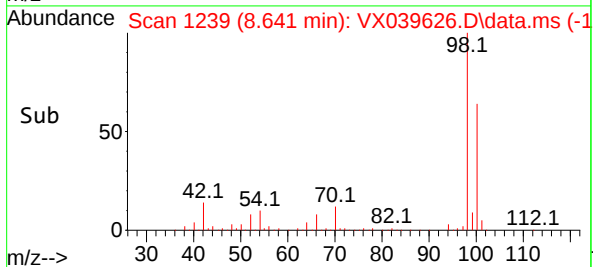
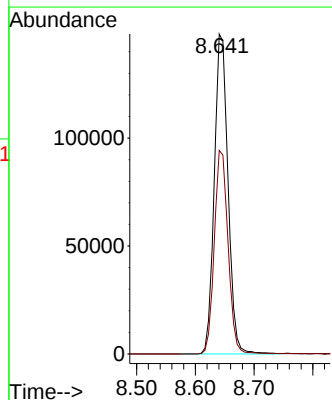
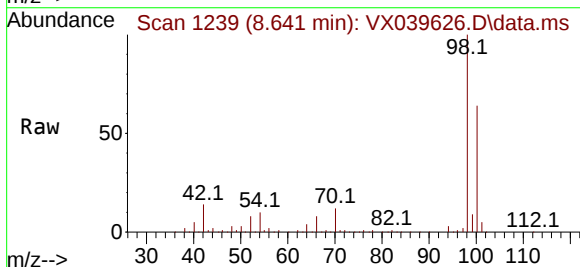
Acq: 04 Jan 2024 17:27

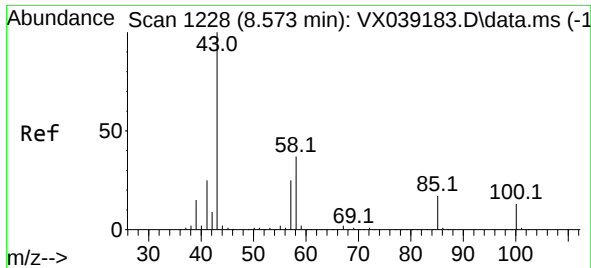
Tgt Ion: 98 Resp: 240452

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7

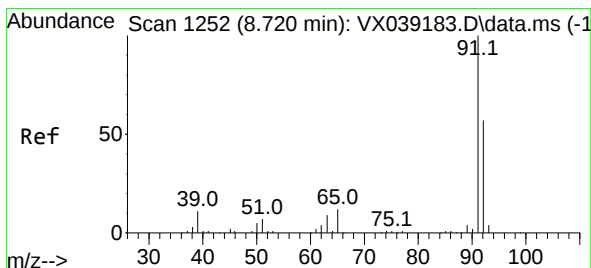
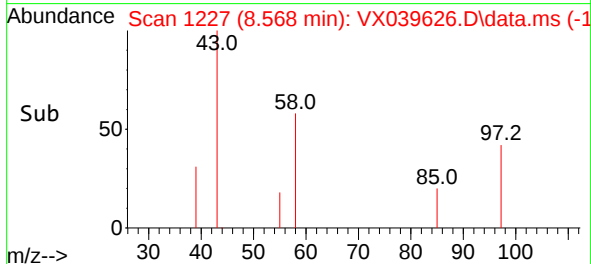
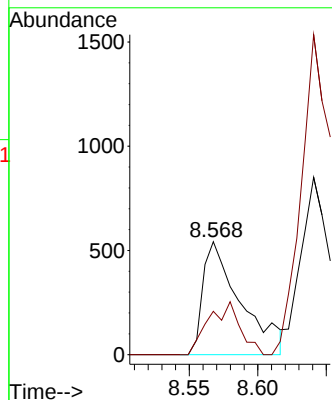
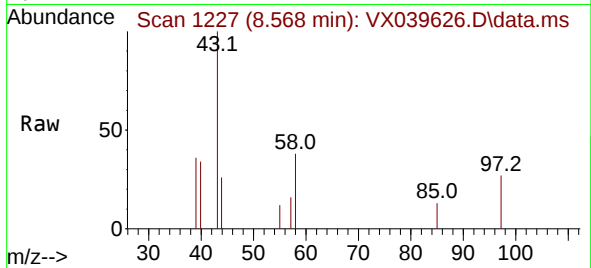




#51
4-Methyl-2-Pentanone
Concen: 0.405 ug/l
RT: 8.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

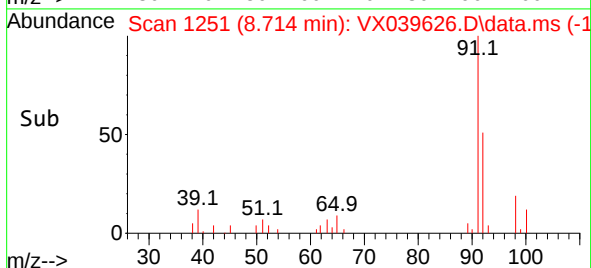
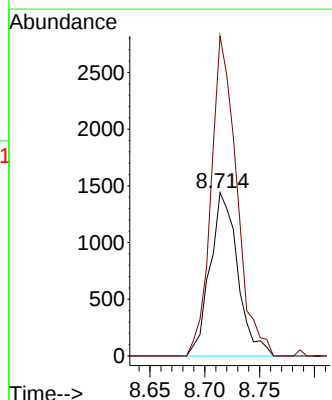
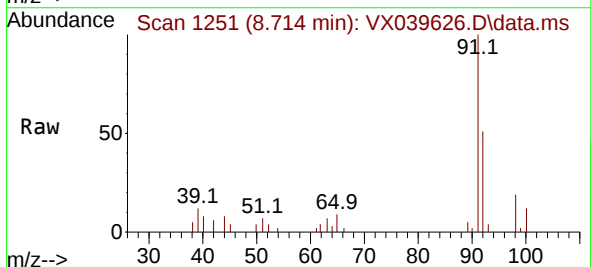
Instrument :
MSVOA_X
ClientSampleId :
MW-1

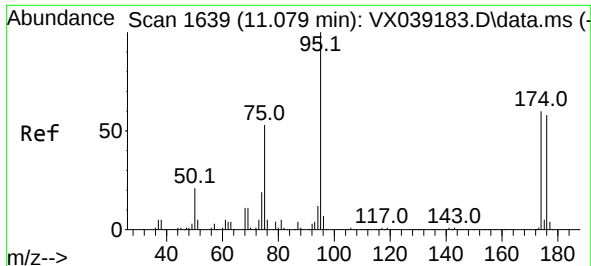
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 39.0 30.4 45.6



#52
Toluene
Concen: 0.738 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

Tgt Ion: 92 Resp: 2525
Ion Ratio Lower Upper
92 100
91 181.3 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 57.537 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1

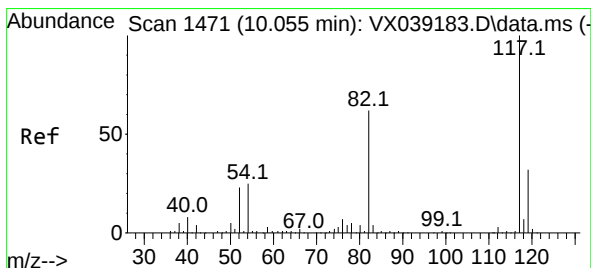
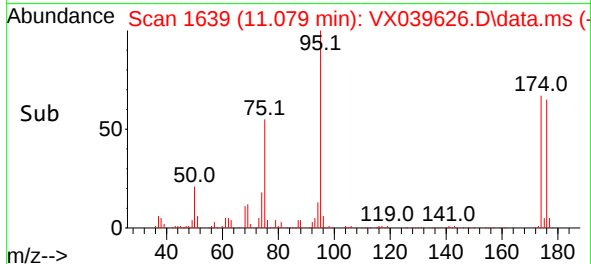
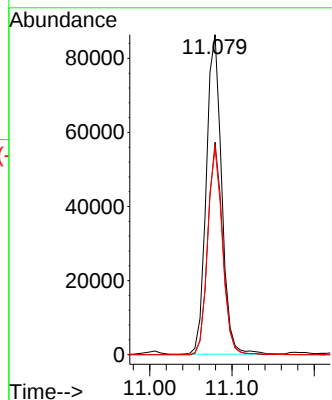
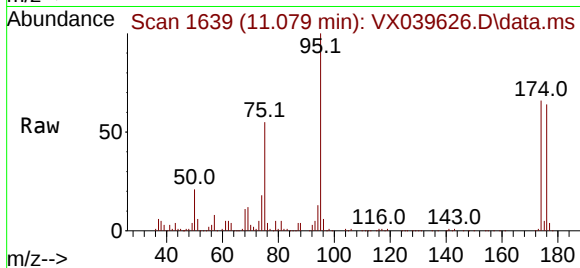
Tgt Ion: 95 Resp: 111990

Ion Ratio Lower Upper

95 100

174 63.7 0.0 135.6

176 62.5 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

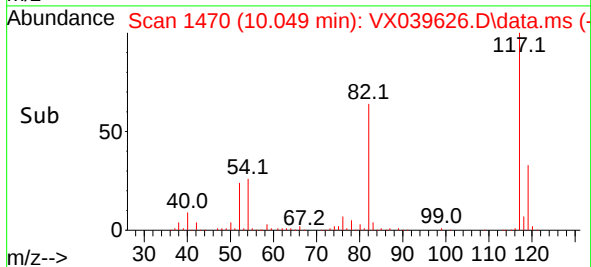
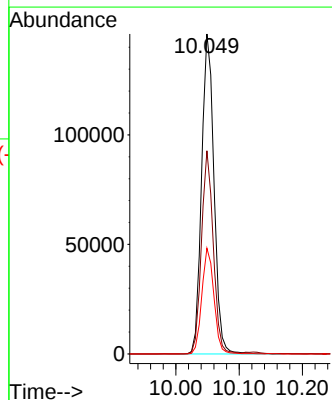
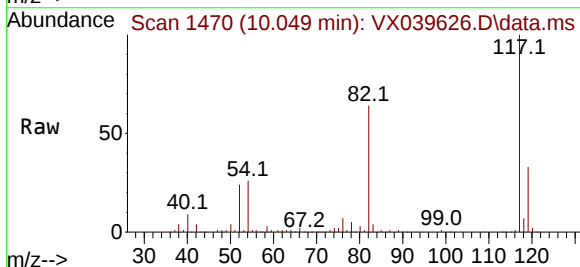
Tgt Ion: 117 Resp: 199699

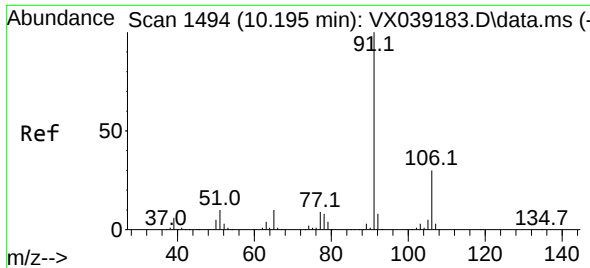
Ion Ratio Lower Upper

117 100

82 63.5 46.2 69.4

119 33.0 25.5 38.3

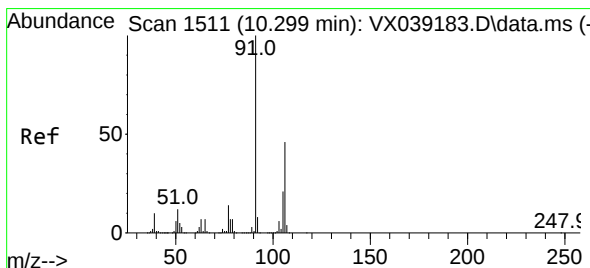
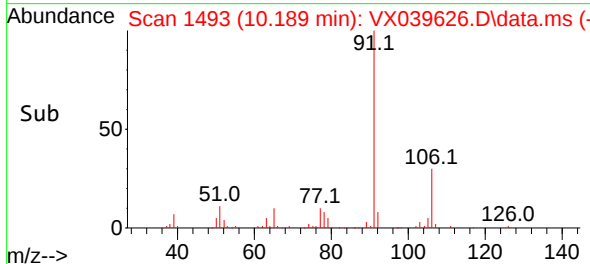
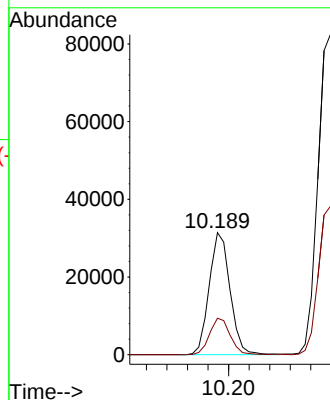
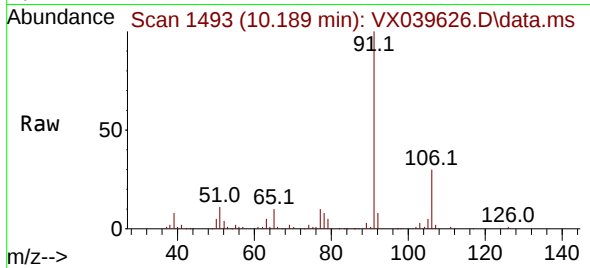




#67
Ethyl Benzene
Concen: 5.464 ug/l
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

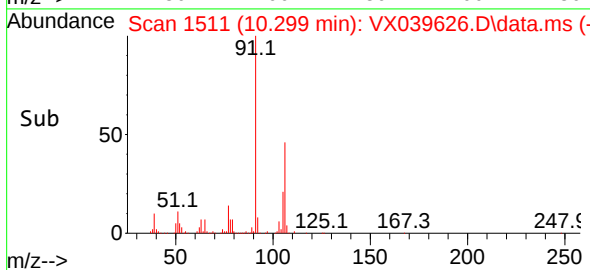
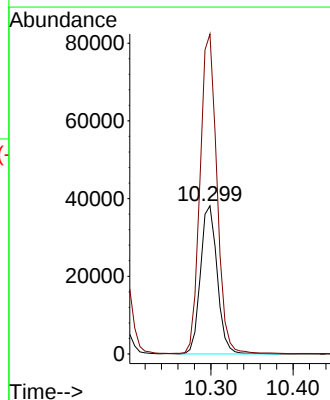
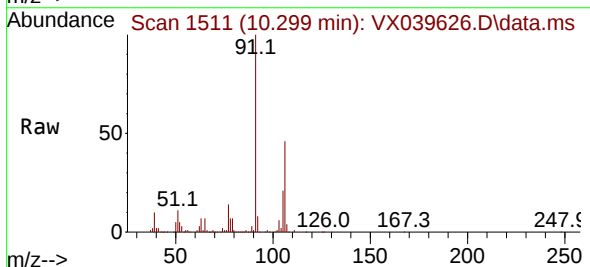
Instrument :
MSVOA_X
ClientSampleId :
MW-1

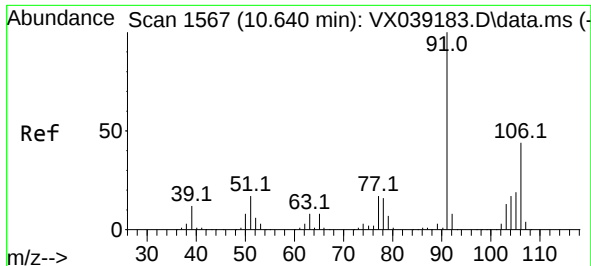
Tgt Ion: 91 Resp: 44334
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3



#68
m/p-Xylenes
Concen: 18.591 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

Tgt Ion: 106 Resp: 54085
Ion Ratio Lower Upper
106 100
91 217.3 165.5 248.3

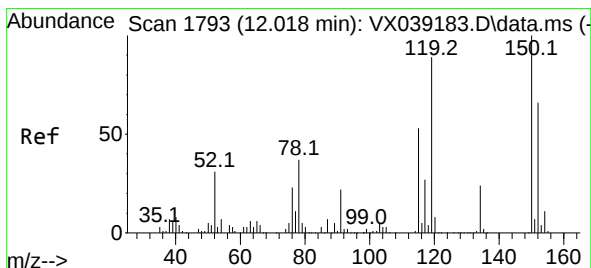
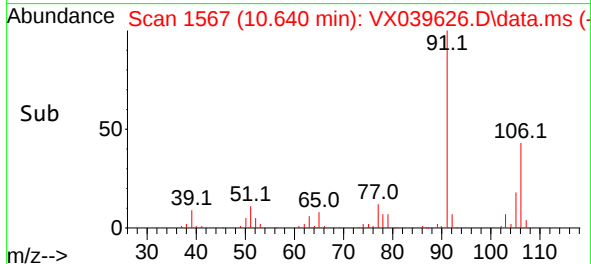
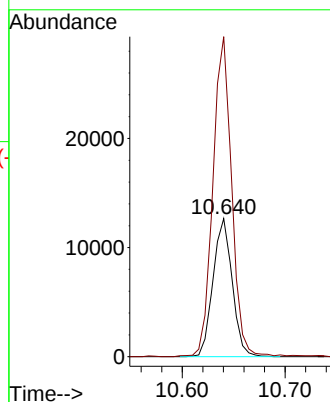
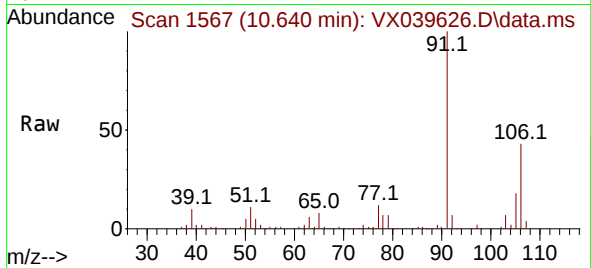




#69
o-Xylene
Concen: 5.814 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

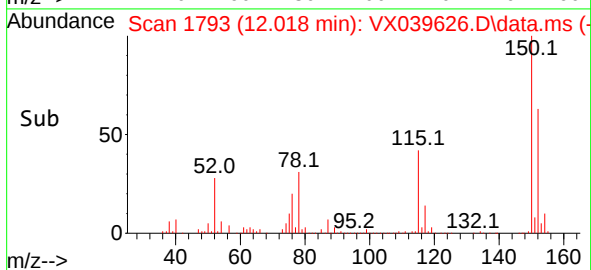
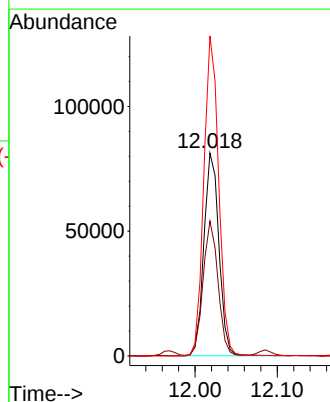
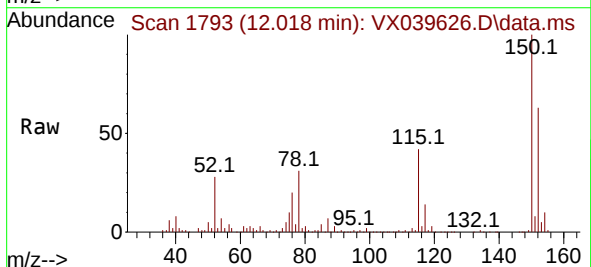
Instrument :
MSVOA_X
ClientSampleId :
MW-1

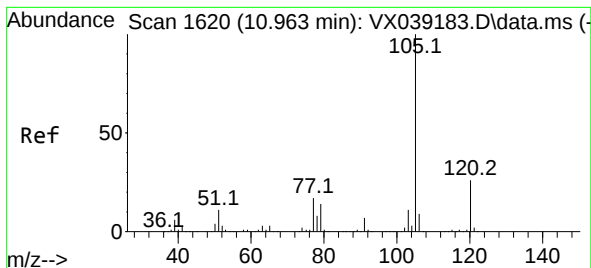
Tgt Ion:106 Resp: 16353
Ion Ratio Lower Upper
106 100
91 229.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

Tgt Ion:152 Resp: 103087
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 156.3 0.0 345.0





#73

Isopropylbenzene

Concen: 2.403 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

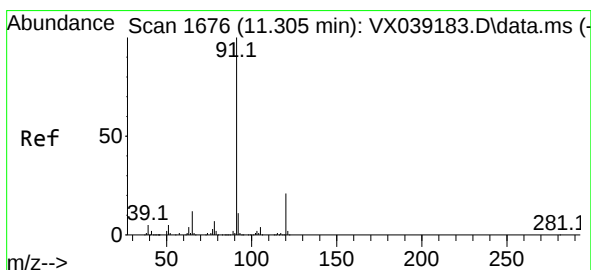
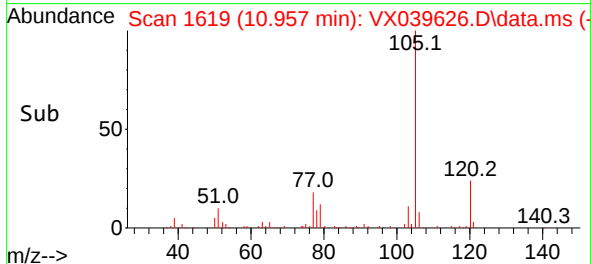
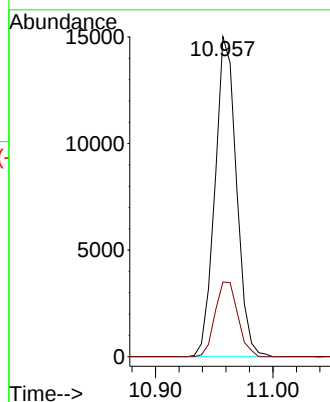
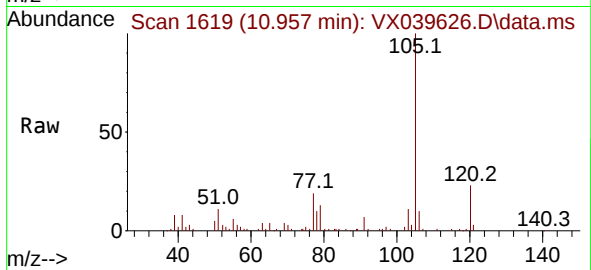
MW-1

Tgt Ion:105 Resp: 19114

Ion Ratio Lower Upper

105 100

120 24.7 12.9 38.6



#78

n-propylbenzene

Concen: 3.593 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX039626.D

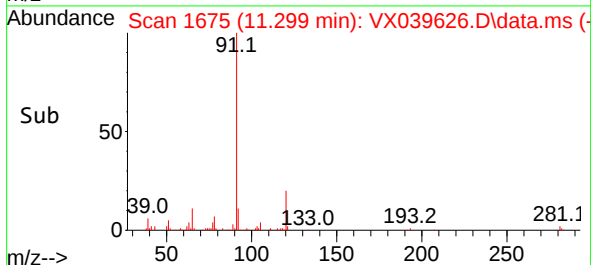
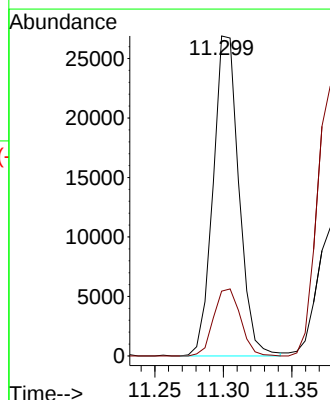
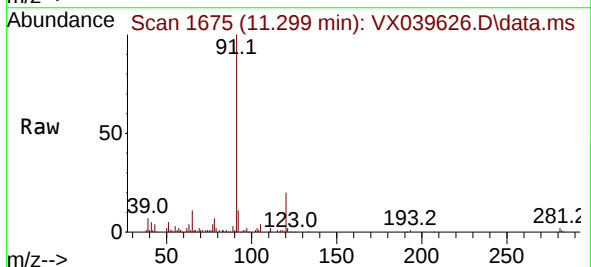
Acq: 04 Jan 2024 17:27

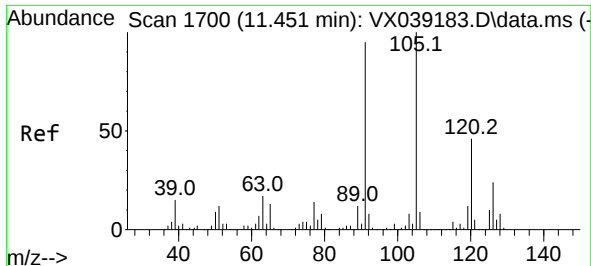
Tgt Ion: 91 Resp: 35211

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4

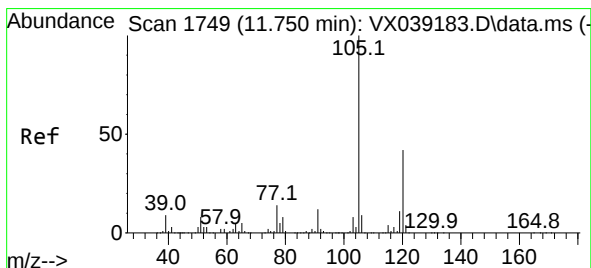
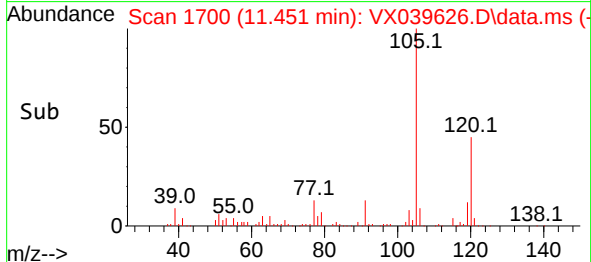
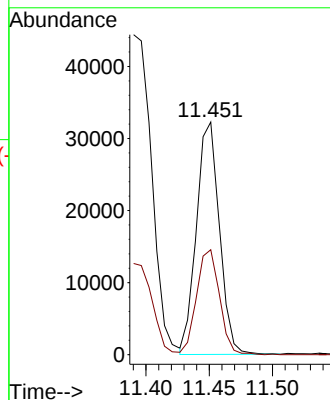
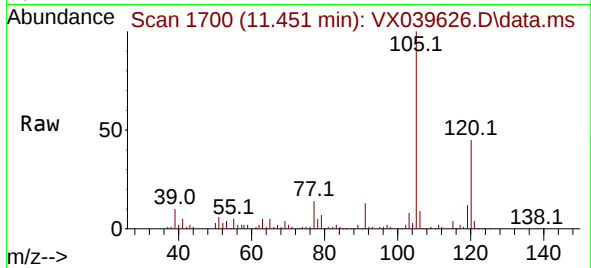




#80
1,3,5-Trimethylbenzene
Concen: 6.030 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

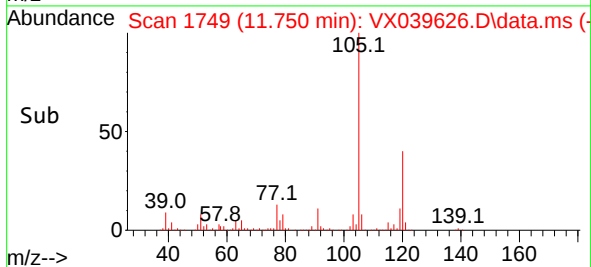
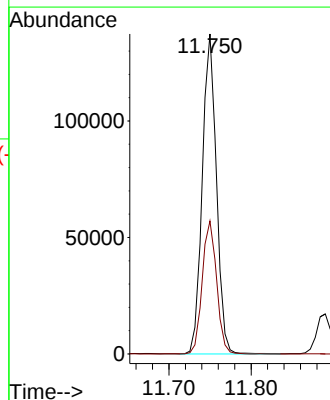
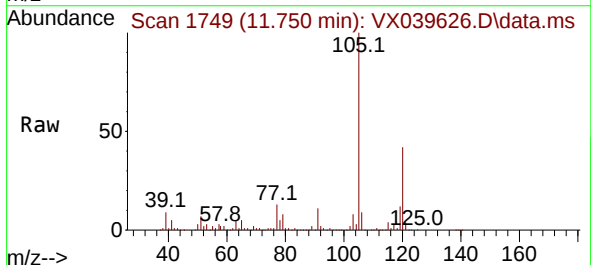
Instrument :
MSVOA_X
ClientSampleId :
MW-1

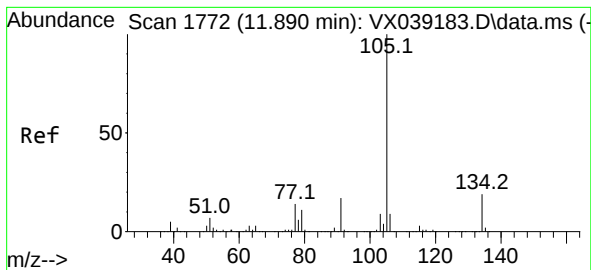
Tgt Ion:105 Resp: 40854
Ion Ratio Lower Upper
105 100
120 45.0 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 23.684 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX039626.D
Acq: 04 Jan 2024 17:27

Tgt Ion:105 Resp: 164562
Ion Ratio Lower Upper
105 100
120 42.2 21.2 63.6





#85

sec-Butylbenzene

Concen: 2.631 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

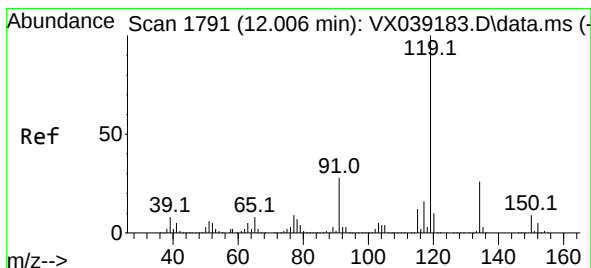
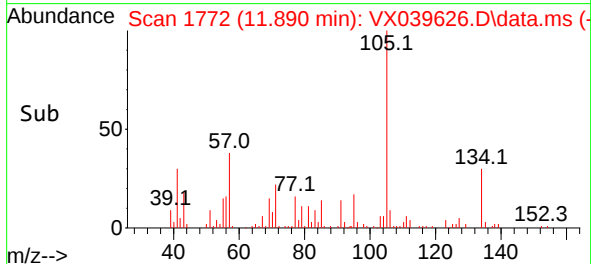
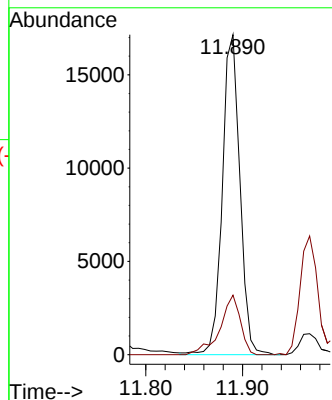
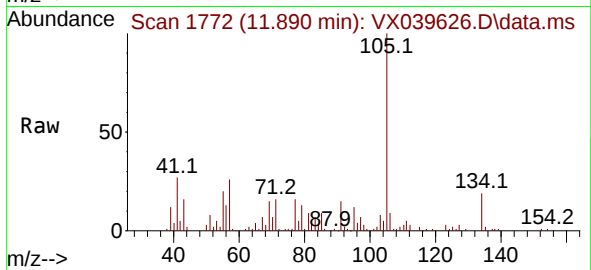
MW-1

Tgt Ion:105 Resp: 21589

Ion Ratio Lower Upper

105 100

134 21.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 2.194 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

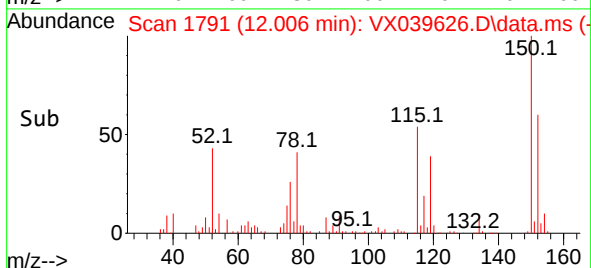
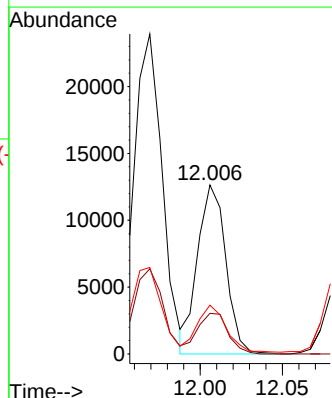
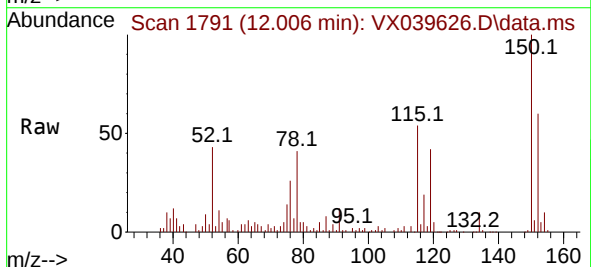
Tgt Ion:119 Resp: 15109

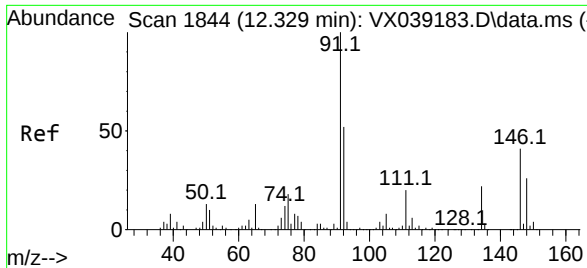
Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

91 28.5 13.1 39.3





#89

n-Butylbenzene

Concen: 3.840 ug/l

RT: 12.323 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX039626.D

Acq: 04 Jan 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tgt Ion: 91 Resp: 25995

Ion Ratio Lower Upper

91 100

92 31.7 27.4 82.0

134 98.9 12.6 37.8#

