

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038059.D
 Acq On : 04 Oct 2023 12:51
 Operator : JC/MD
 Sample : 04566-07DL 5X
 Misc : 5.37g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B102-08-1(5-5.5)DL

Quant Time: Oct 05 01:00:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

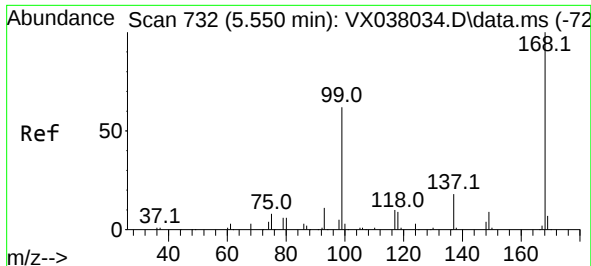
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195731	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79727	45.564	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.120%		
35) Dibromofluoromethane	5.385	113	60440	45.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.020%		
50) Toluene-d8	8.647	98	246390	47.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.900%		
62) 4-Bromofluorobenzene	11.079	95	101223	54.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.240%		
Target Compounds					Qvalue	
31) Cyclohexane	5.470	56	25591	12.507	ug/l	96
39) Methylcyclohexane	7.379	83	80514	34.425	ug/l	94
40) Benzene	6.043	78	29168	5.225	ug/l	93
52) Toluene	8.720	92	10275	2.844	ug/l	90
65) Chlorobenzene	10.079	112	21766	5.282	ug/l	97
67) Ethyl Benzene	10.195	91	140593	18.965	ug/l	99
68) m/p-Xylenes	10.305	106	63653	22.421	ug/l	98
69) o-Xylene	10.640	106	22308	8.274	ug/l	99
73) Isopropylbenzene	10.963	105	39190	5.537	ug/l	100
78) n-propylbenzene	11.305	91	98893	11.372	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	129062	21.427	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	372116	61.253	ug/l	98
85) sec-Butylbenzene	11.890	105	20501	2.640	ug/l	97
86) p-Isopropyltoluene	12.006	119	25883	4.070	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	6394	1.761	ug/l #	74
89) n-Butylbenzene	12.329	91	52454	8.264	ug/l #	36
91) 1,2-Dichlorobenzene	12.335	146	3430	1.036	ug/l #	81
95) Naphthalene	13.774	128	169011	21.830	ug/l	98

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

Quant Time: Oct 05 01:00:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 2023
Response via : Initial Calibration

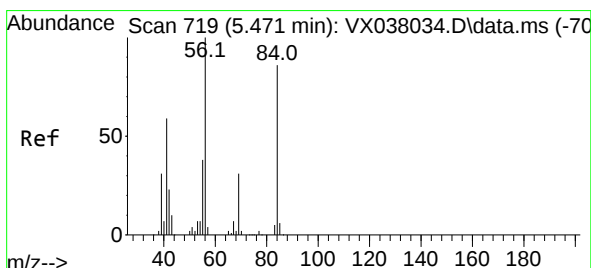
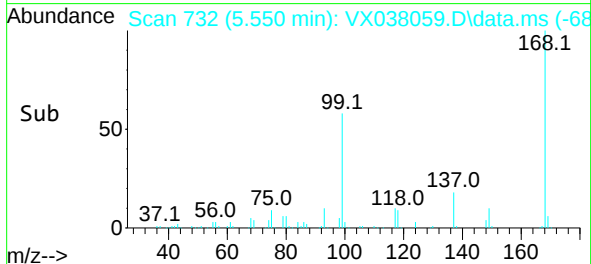
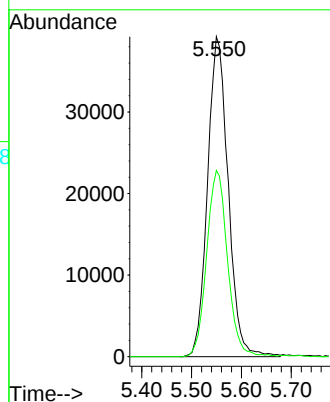
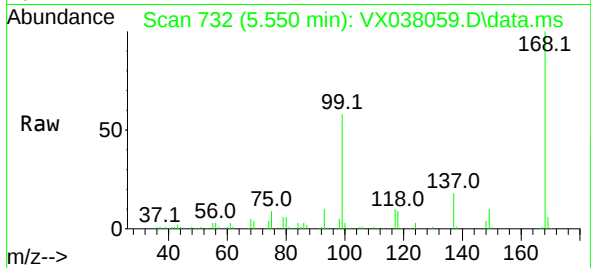




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

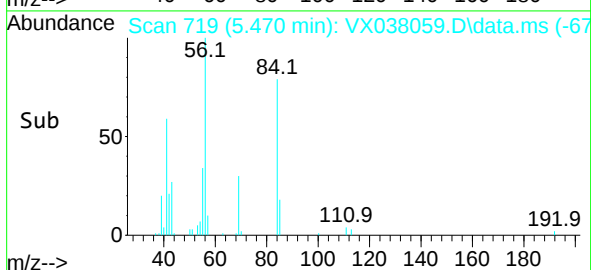
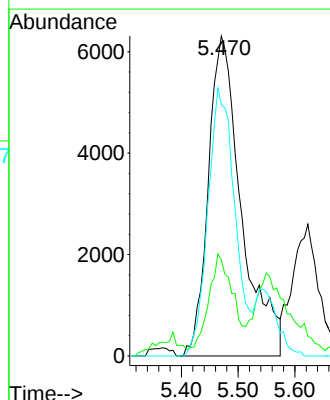
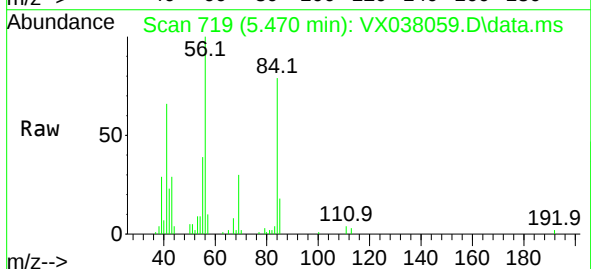
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

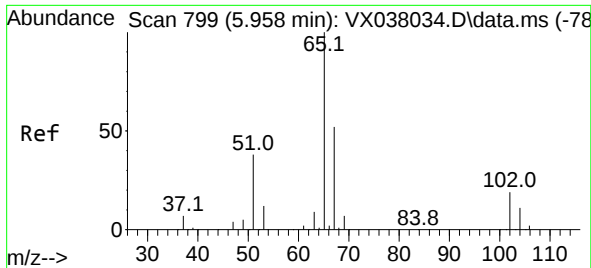
Tgt Ion:168 Resp: 112456
Ion Ratio Lower Upper
168 100
99 58.2 56.6 85.0



#31
Cyclohexane
Concen: 12.507 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.001 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 56 Resp: 25591
Ion Ratio Lower Upper
56 100
69 26.7 23.4 35.2
84 78.5 65.9 98.9

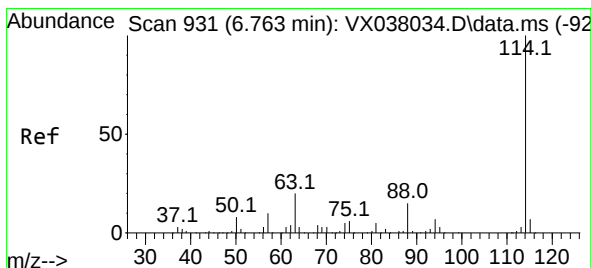
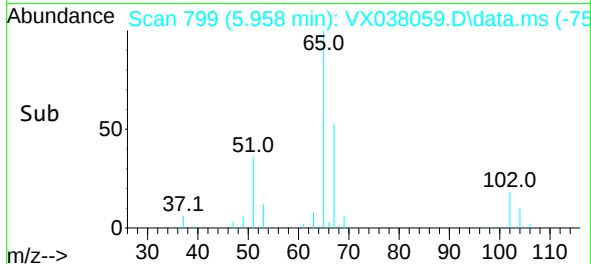
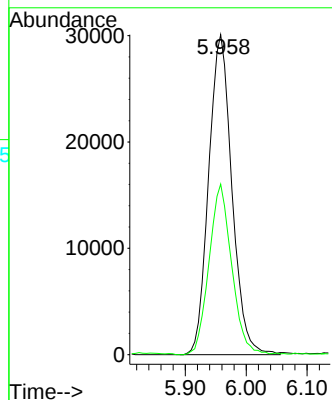
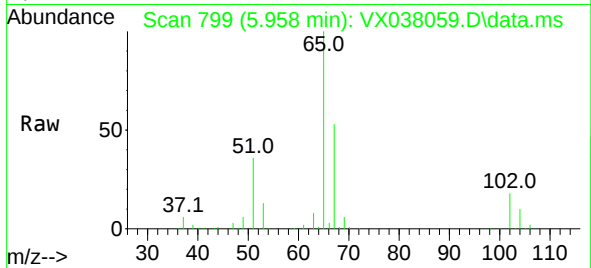




#33
1,2-Dichloroethane-d4
Concen: 45.564 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

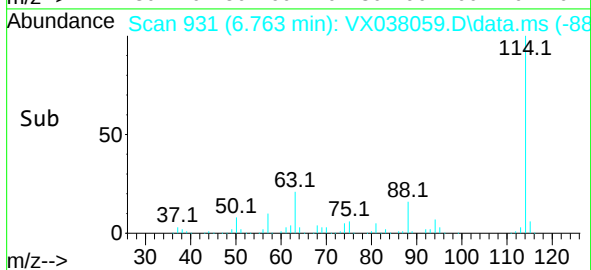
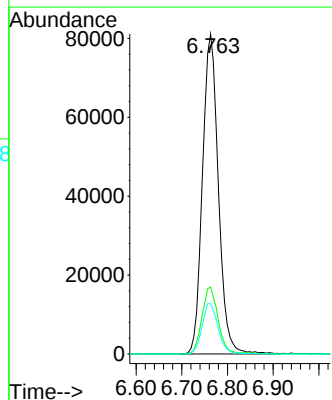
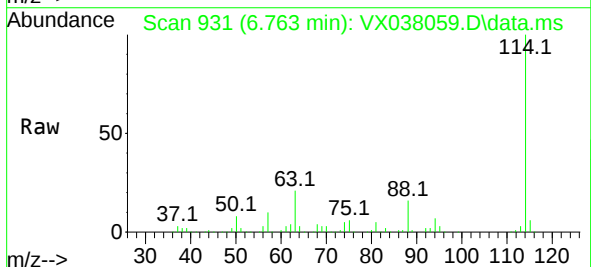
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

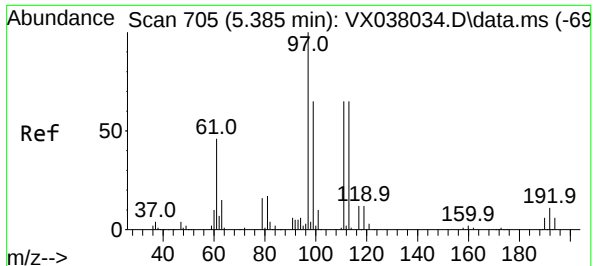
Tgt Ion: 65 Resp: 79727
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 114 Resp: 195731
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.011 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX038059.D

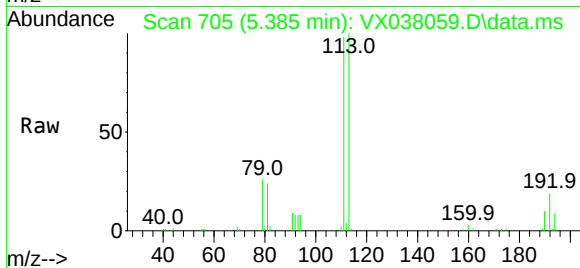
Acq: 04 Oct 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

B102-08-1(5-5.5)DL



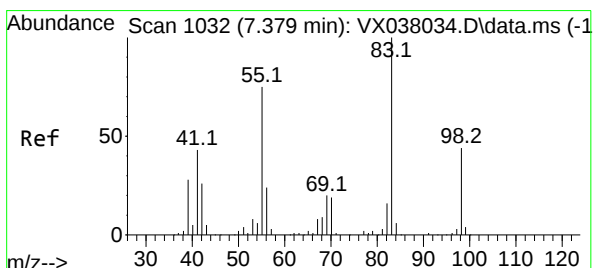
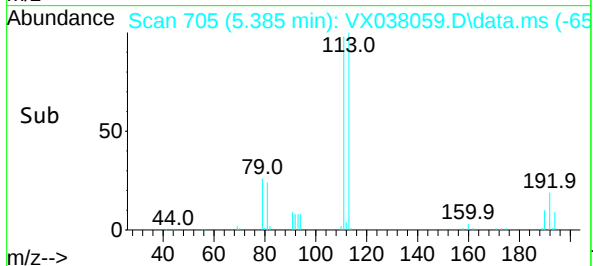
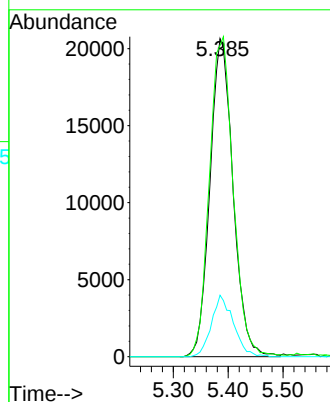
Tgt Ion:113 Resp: 60440

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

192 18.4 13.3 19.9



#39

Methylcyclohexane

Concen: 34.425 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX038059.D

Acq: 04 Oct 2023 12:51

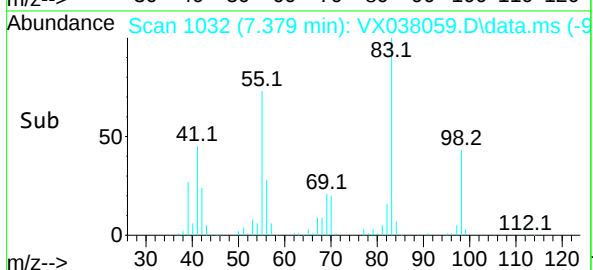
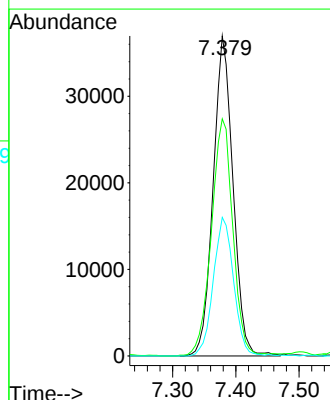
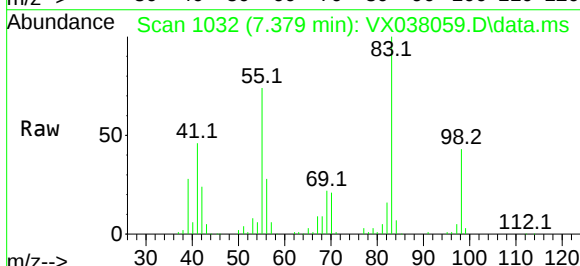
Tgt Ion: 83 Resp: 80514

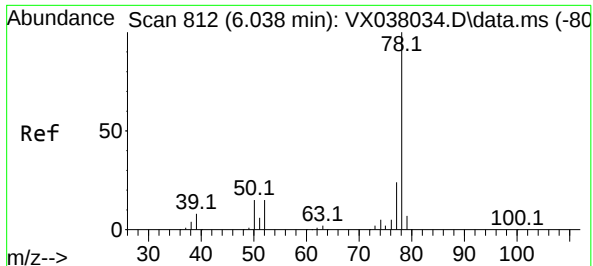
Ion Ratio Lower Upper

83 100

55 73.8 64.6 97.0

98 43.3 36.7 55.1

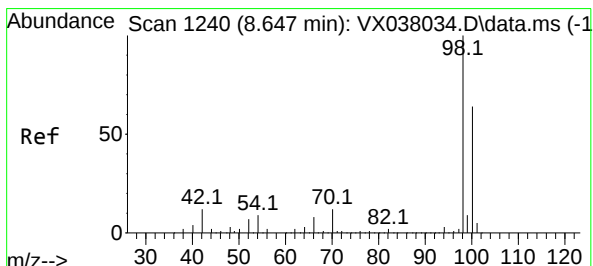
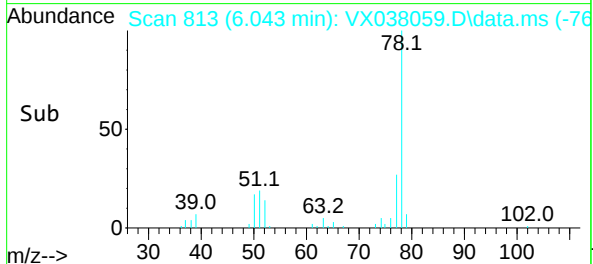
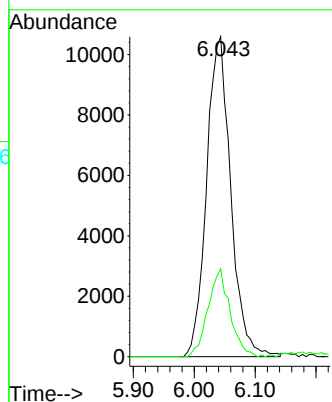
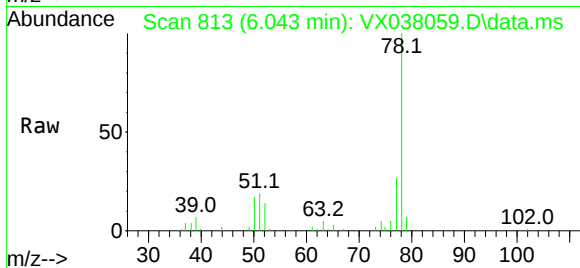




#40
Benzene
Concen: 5.225 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

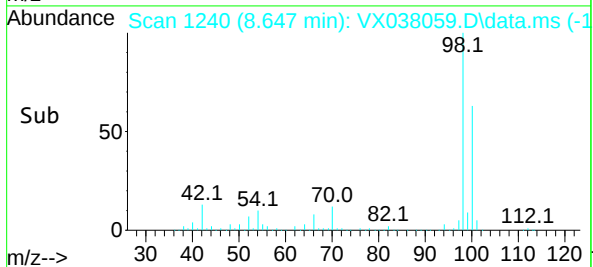
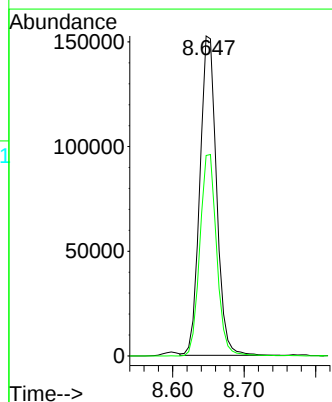
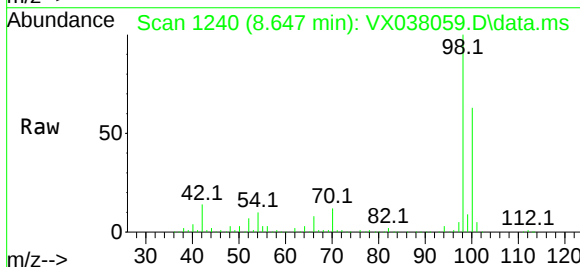
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

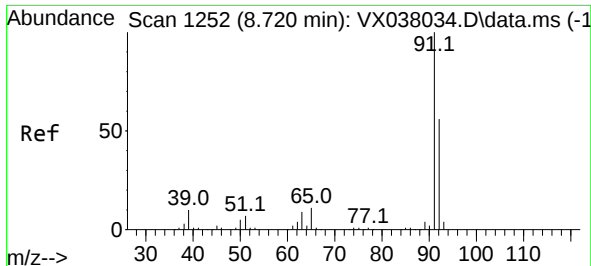
Tgt Ion: 78 Resp: 29168
Ion Ratio Lower Upper
78 100
77 27.4 19.3 28.9



#50
Toluene-d8
Concen: 47.946 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 98 Resp: 246390
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

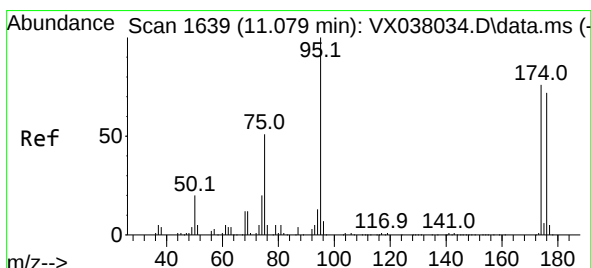
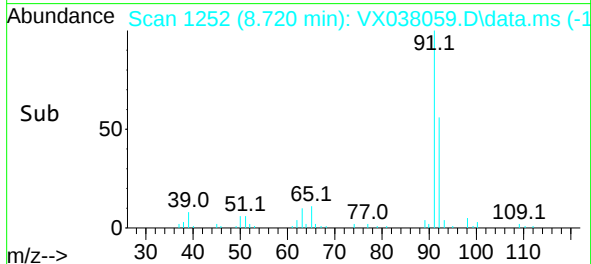
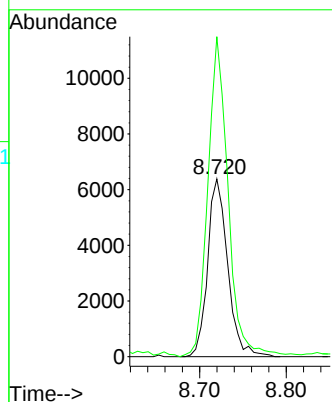
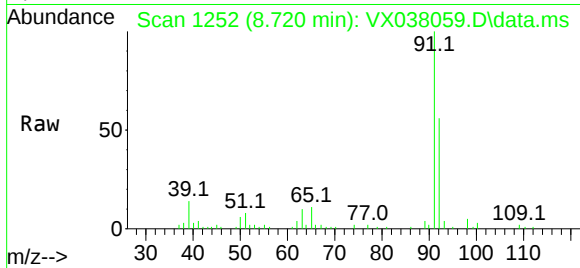




#52
Toluene
Concen: 2.844 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

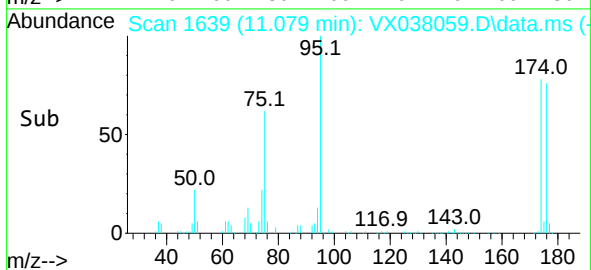
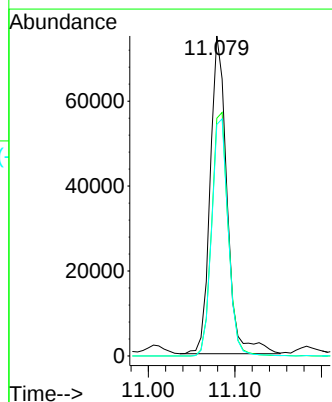
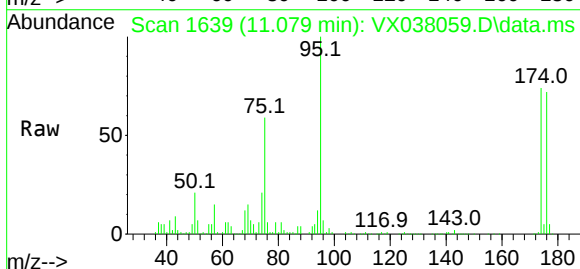
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

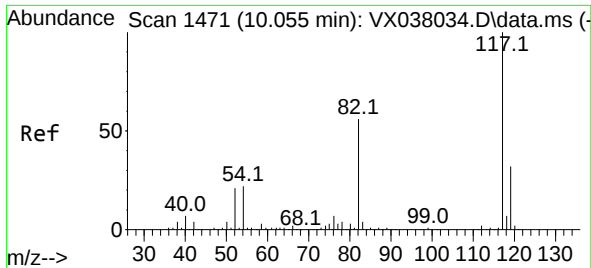
Tgt Ion: 92 Resp: 10275
Ion Ratio Lower Upper
92 100
91 181.9 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 54.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 95 Resp: 101223
Ion Ratio Lower Upper
95 100
174 75.1 0.0 135.6
176 73.3 0.0 131.0

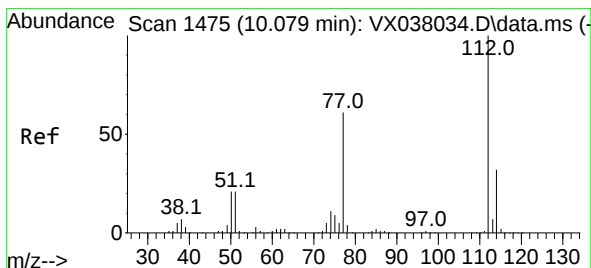
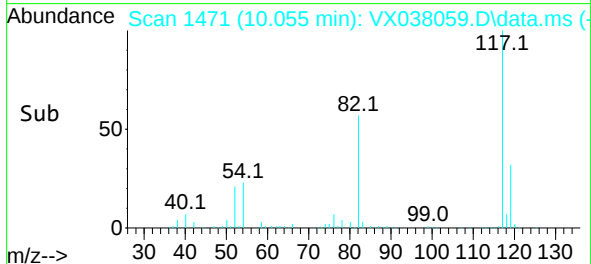
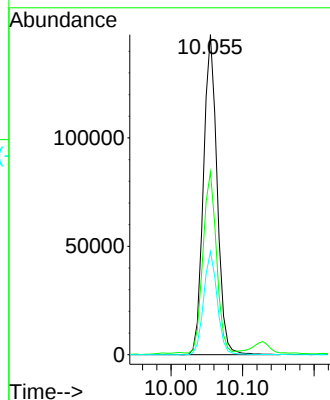
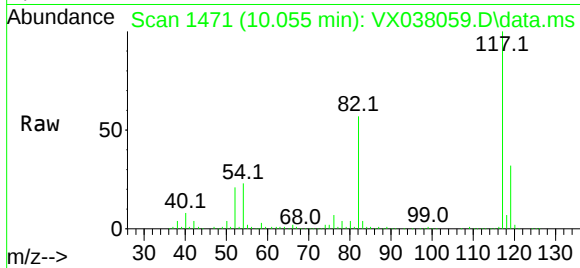




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

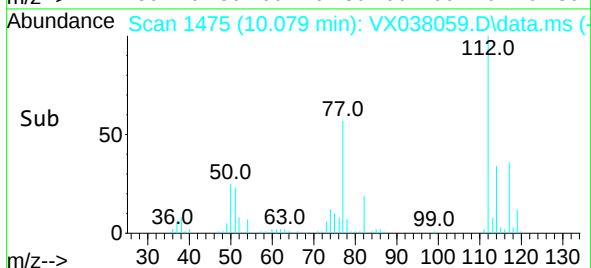
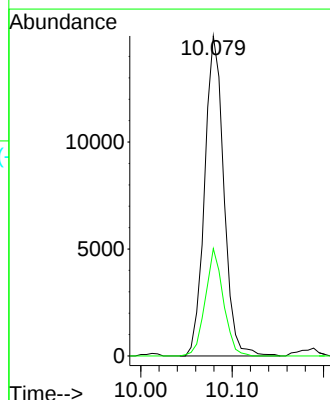
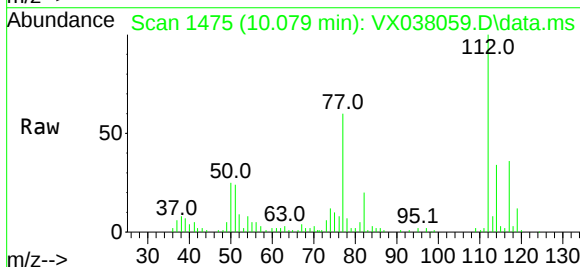
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

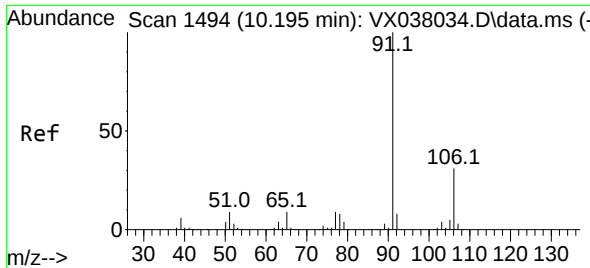
Tgt Ion:117 Resp: 196316
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.3 25.5 38.3



#65
Chlorobenzene
Concen: 5.282 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion:112 Resp: 21766
Ion Ratio Lower Upper
112 100
114 33.6 25.7 38.5

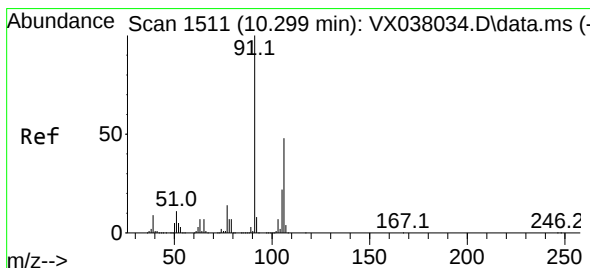
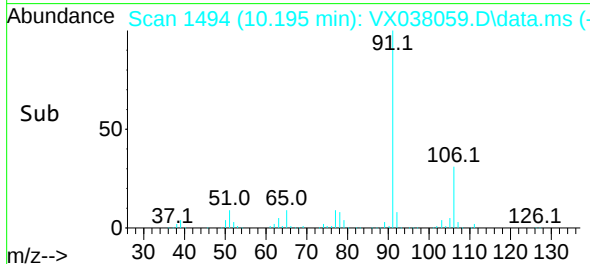
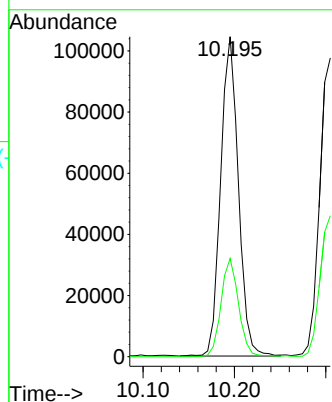
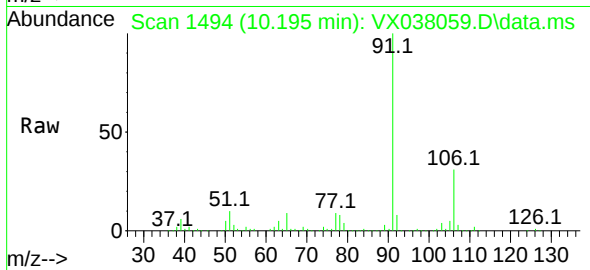




#67
Ethyl Benzene
Concen: 18.965 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

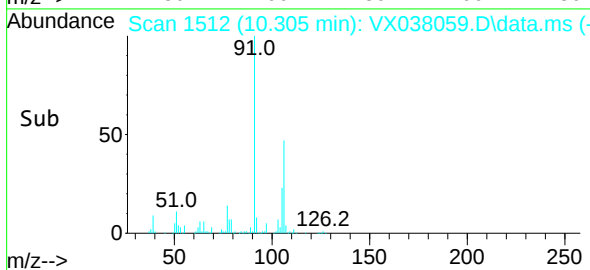
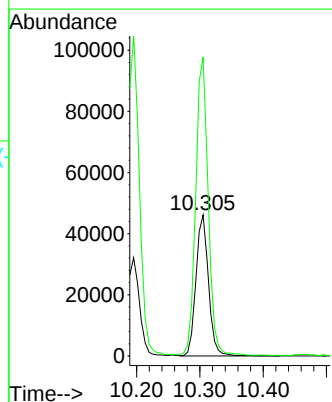
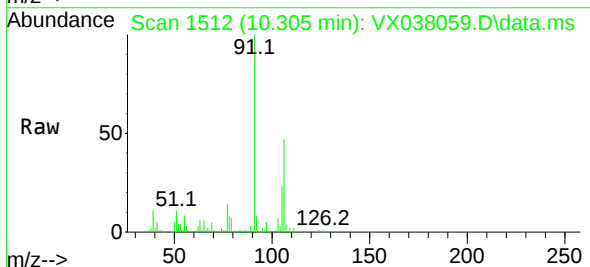
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

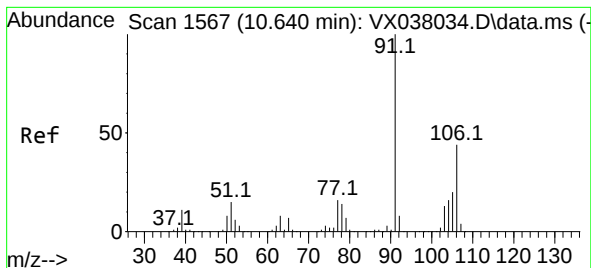
Tgt Ion: 91 Resp: 140593
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 22.421 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 106 Resp: 63653
Ion Ratio Lower Upper
106 100
91 209.7 165.5 248.3





#69

o-Xylene

Concen: 8.274 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX038059.D

Acq: 04 Oct 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

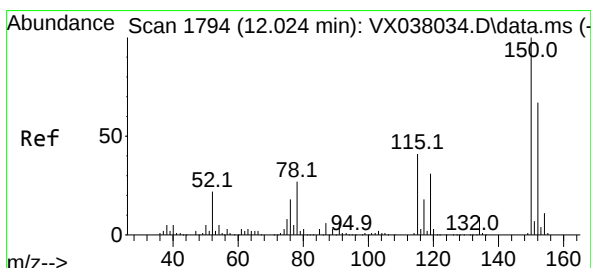
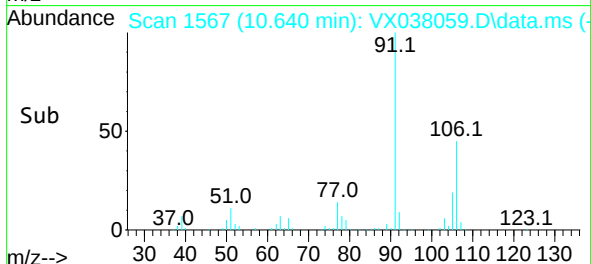
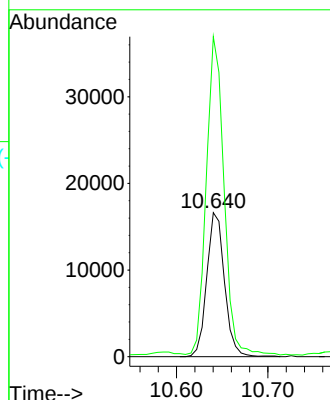
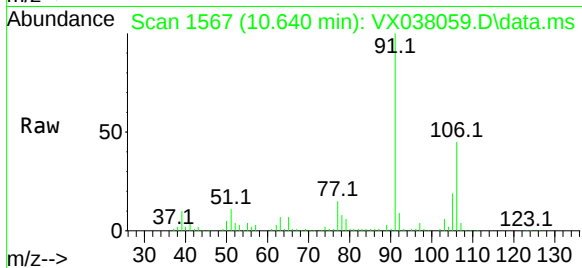
B102-08-1(5-5.5)DL

Tgt Ion:106 Resp: 22308

Ion Ratio Lower Upper

106 100

91 219.9 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038059.D

Acq: 04 Oct 2023 12:51

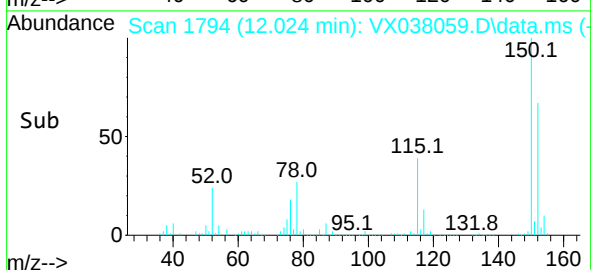
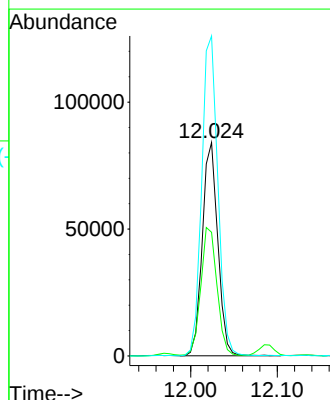
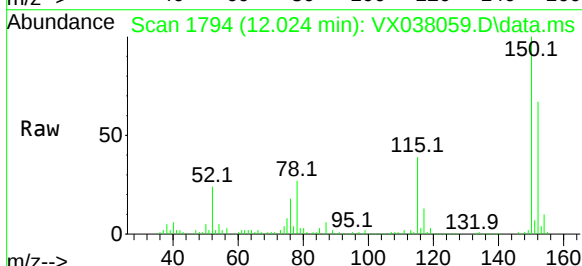
Tgt Ion:152 Resp: 104283

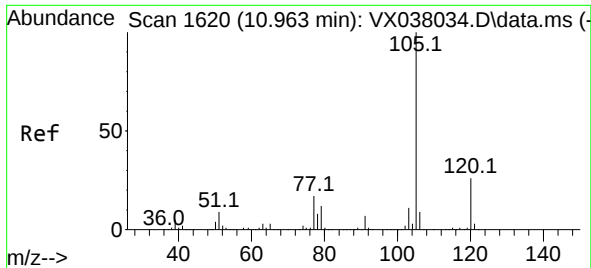
Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 156.0 0.0 345.0

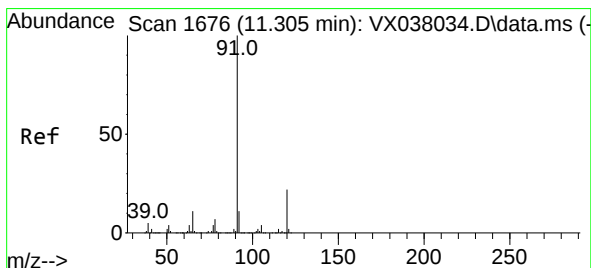
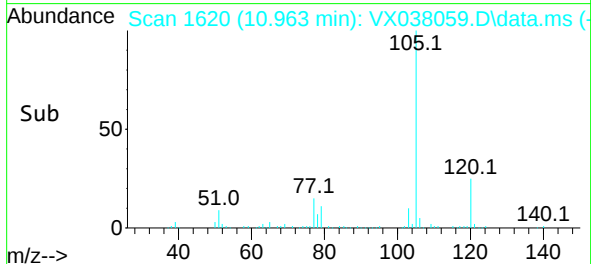
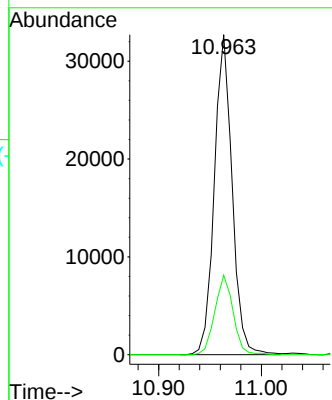
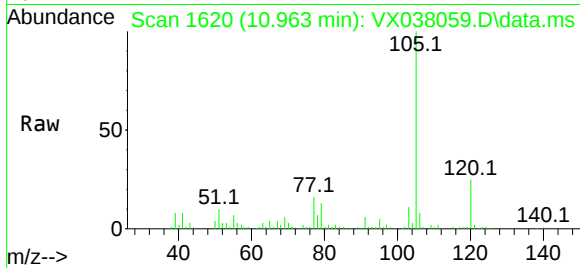




#73
Isopropylbenzene
Concen: 5.537 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

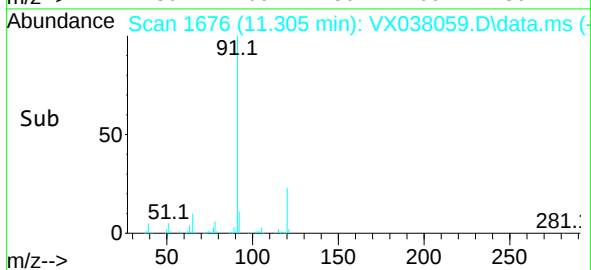
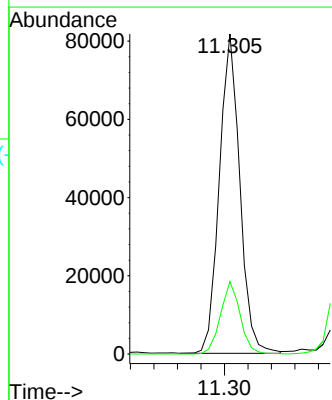
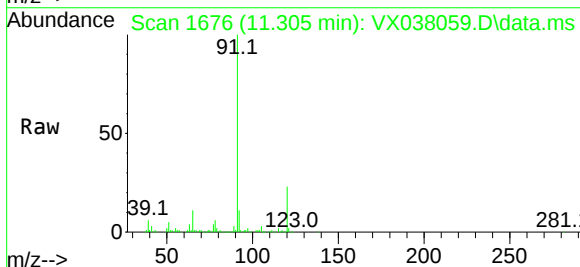
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

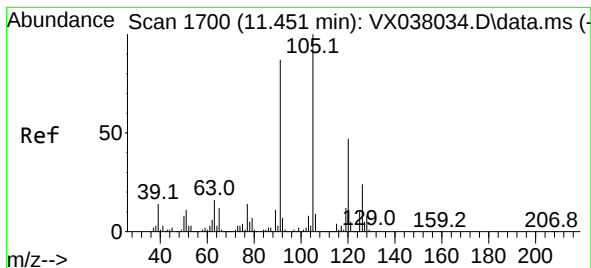
Tgt Ion:105 Resp: 39190
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.6



#78
n-propylbenzene
Concen: 11.372 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion: 91 Resp: 98893
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 21.427 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX038059.D

Acq: 04 Oct 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

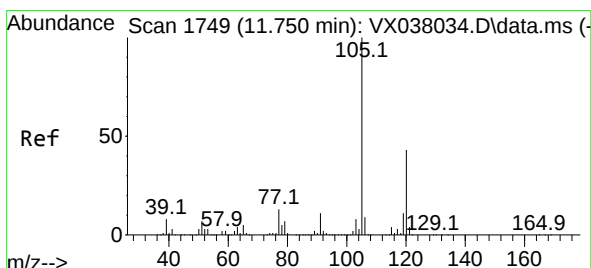
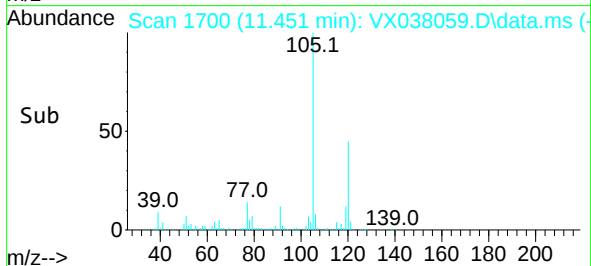
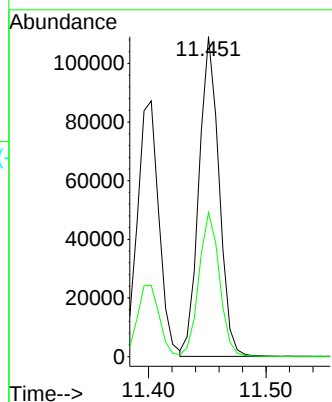
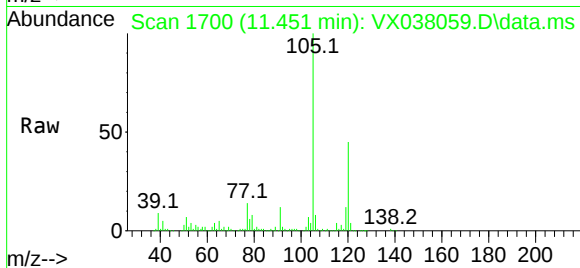
B102-08-1(5-5.5)DL

Tgt Ion:105 Resp: 129062

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 61.253 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX038059.D

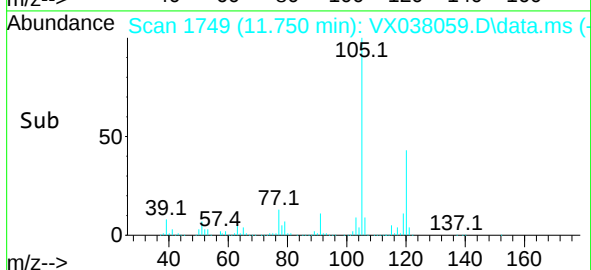
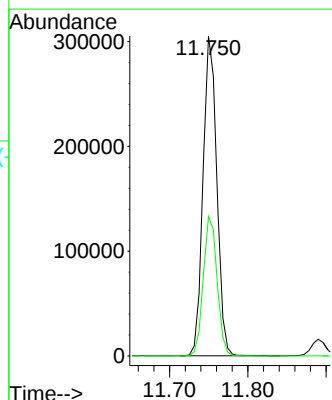
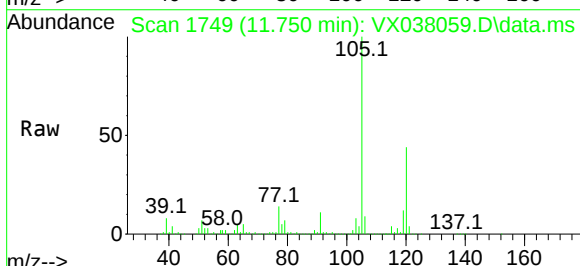
Acq: 04 Oct 2023 12:51

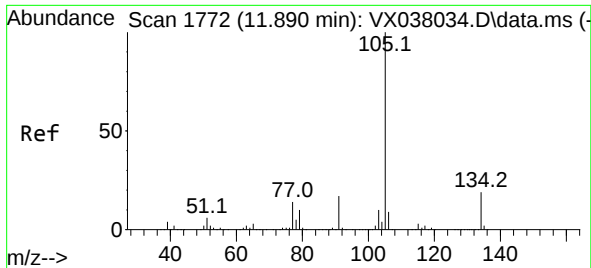
Tgt Ion:105 Resp: 372116

Ion Ratio Lower Upper

105 100

120 43.9 21.2 63.6

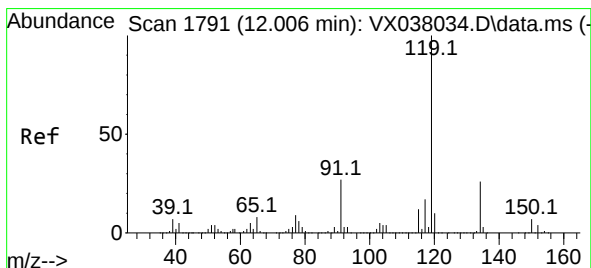
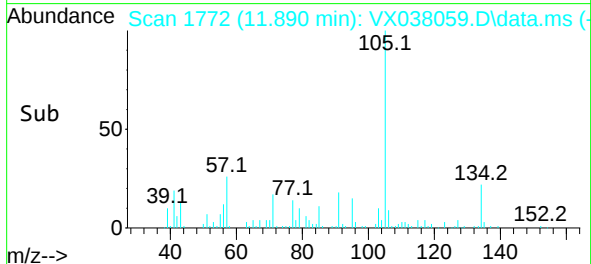
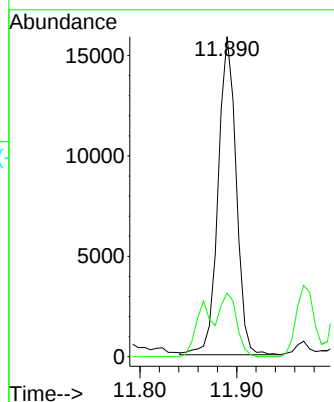
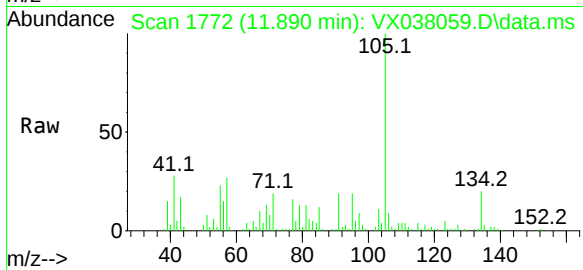




#85
sec-Butylbenzene
Concen: 2.640 ug/l
RT: 11.890 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

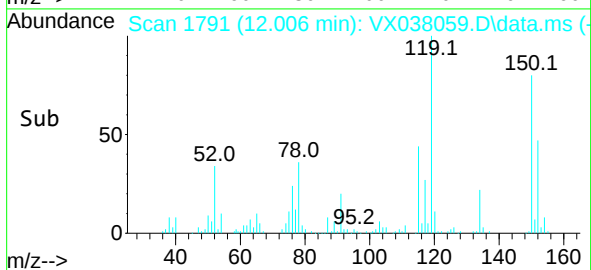
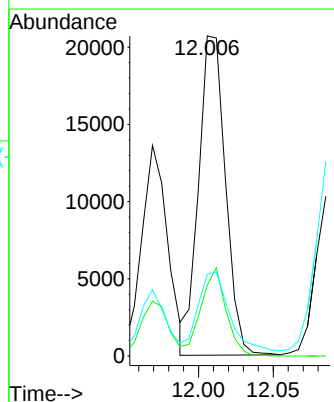
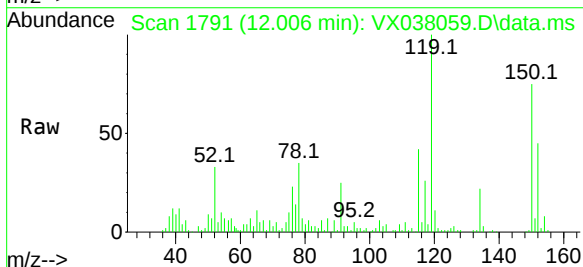
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

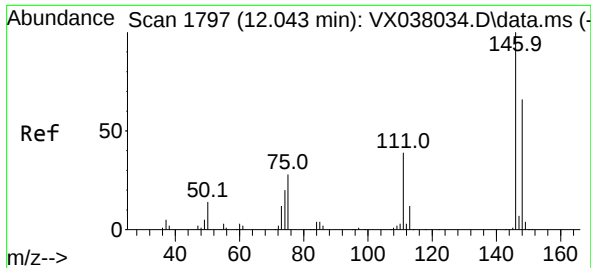
Tgt Ion:105 Resp: 20501
Ion Ratio Lower Upper
105 100
134 18.2 9.8 29.4



#86
p-Isopropyltoluene
Concen: 4.070 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

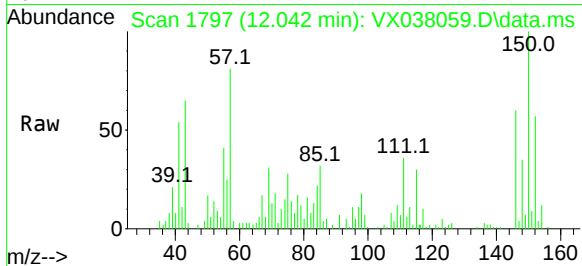
Tgt Ion:119 Resp: 25883
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.3
91 27.8 13.1 39.3



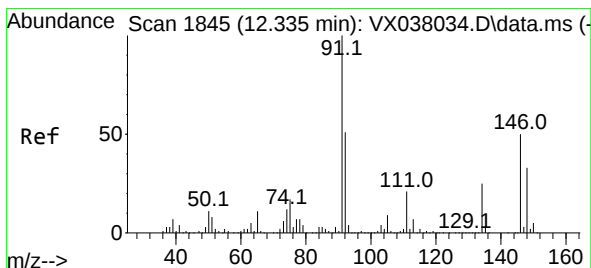
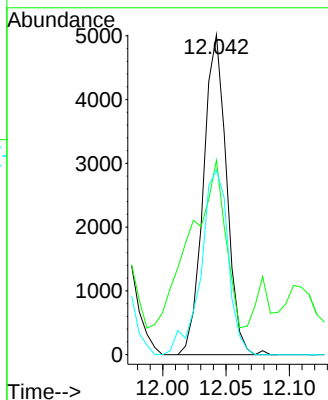
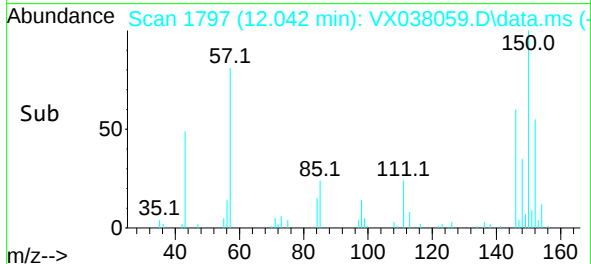


#88
1,4-Dichlorobenzene
Concen: 1.761 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

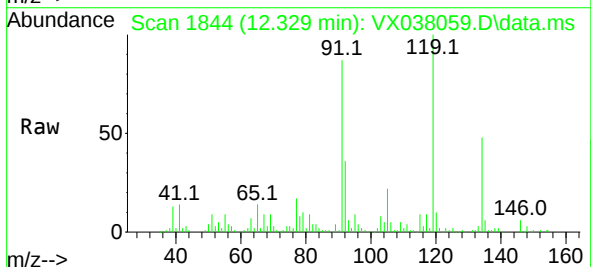
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL



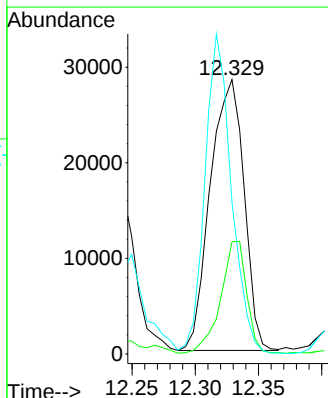
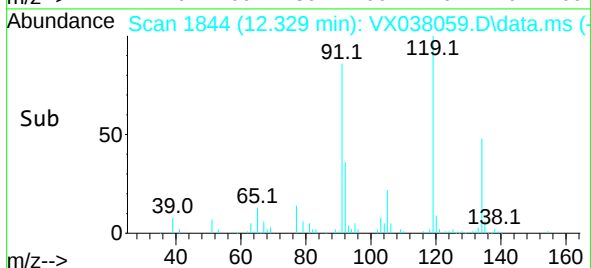
Tgt Ion:146 Resp: 6394
Ion Ratio Lower Upper
146 100
111 78.0 21.3 63.7#
148 67.9 31.8 95.4

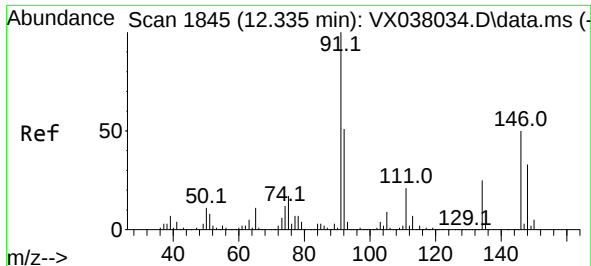


#89
n-Butylbenzene
Concen: 8.264 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51



Tgt Ion: 91 Resp: 52454
Ion Ratio Lower Upper
91 100
92 32.2 27.4 82.0
134 92.8 12.6 37.8#

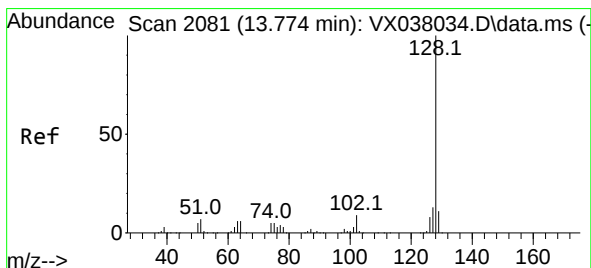
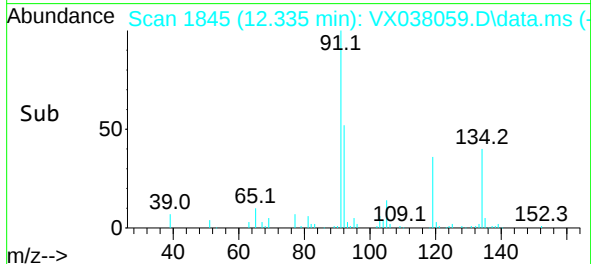
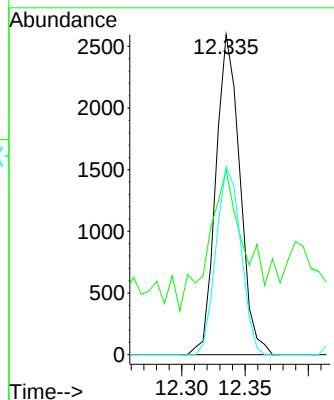
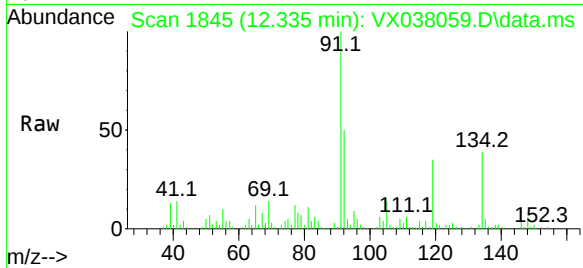




#91
1,2-Dichlorobenzene
Concen: 1.036 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)DL

Tgt Ion:146 Resp: 3430
Ion Ratio Lower Upper
146 100
111 71.0 22.4 67.0#
148 60.6 31.6 95.0



#95
Naphthalene
Concen: 21.830 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX038059.D
Acq: 04 Oct 2023 12:51

Tgt Ion:128 Resp: 169011
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 12.0 8.8 13.2

