

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100323\
 Data File : VX038049.D
 Acq On : 03 Oct 2023 20:02
 Operator : JC/MD
 Sample : 04566-07
 Misc : 5.37g/5.0 mL/100uL/5.0mL/MSVOA_X/MeOH
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 04 09:16:06 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)

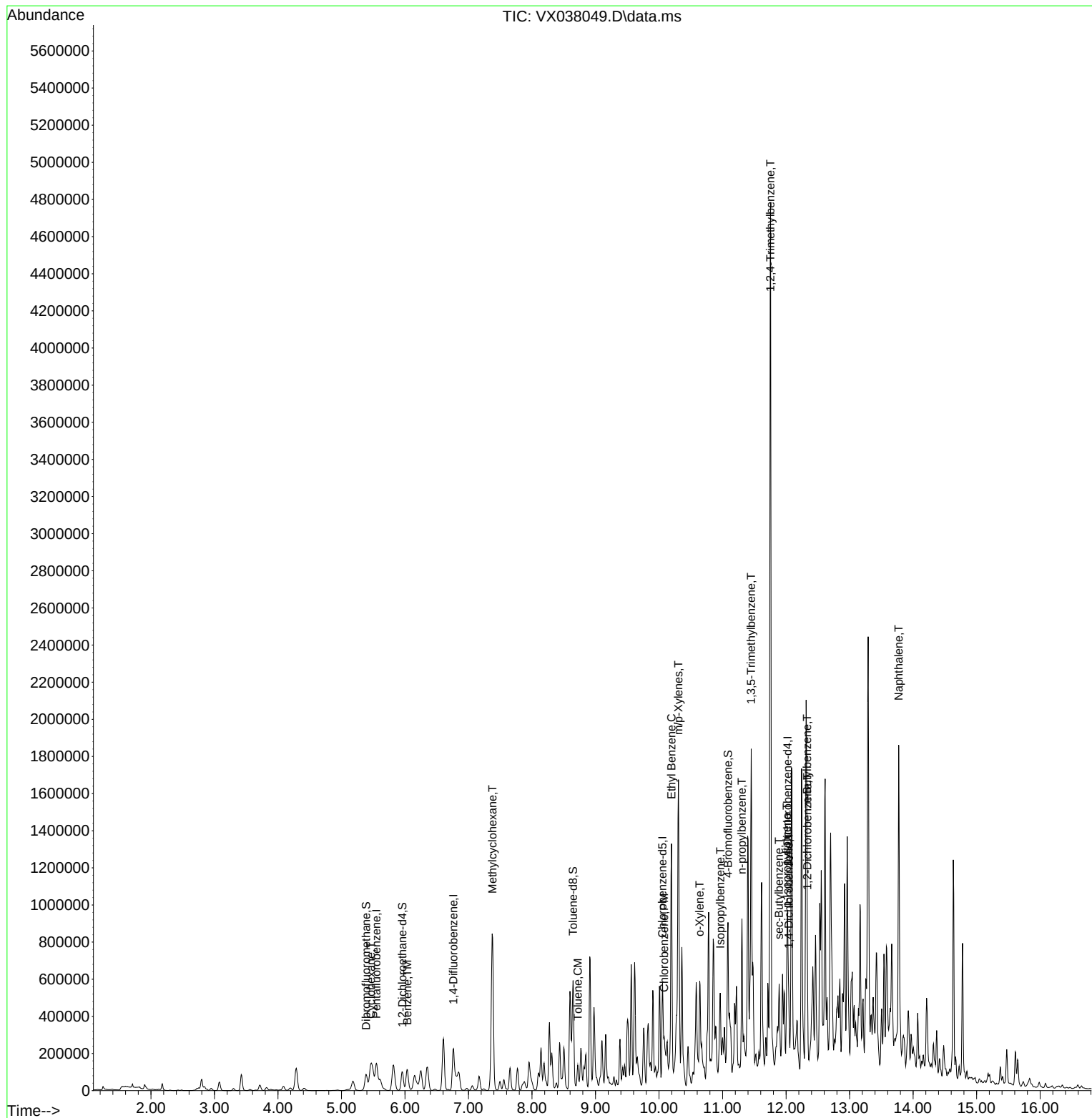
Internal Standards						
1) Pentafluorobenzene	5.550	168	128734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100333	50.090	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.180%	
35) Dibromofluoromethane	5.385	113	72118	47.284	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.560%	
50) Toluene-d8	8.647	98	303646	52.021	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.040%	
62) 4-Bromofluorobenzene	11.085	95	128270	60.381	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.760%	
Target Compounds						Qvalue
31) Cyclohexane	5.464	56	105598	45.083	ug/l	94
39) Methylcyclohexane	7.379	83	378071	142.314	ug/l	96
40) Benzene	6.038	78	137501	21.685	ug/l	100
52) Toluene	8.720	92	47298	11.525	ug/l	95
65) Chlorobenzene	10.079	112	99956	21.303	ug/l	99
67) Ethyl Benzene	10.195	91	682951	80.914	ug/l	100
68) m/p-Xylenes	10.305	106	310379	96.020	ug/l	97
69) o-Xylene	10.640	106	108886	35.472	ug/l	96
73) Isopropylbenzene	10.963	105	193516	21.139	ug/l	100
78) n-propylbenzene	11.305	91	497808	44.255	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	666913	85.597	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	1943310	247.301	ug/l	96
85) sec-Butylbenzene	11.890	105	99308	9.886	ug/l	97
86) p-Isopropyltoluene	12.012	119	134864	16.394	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	28568	6.082	ug/l #	80
89) n-Butylbenzene	12.329	91	280198	34.128	ug/l #	34
91) 1,2-Dichlorobenzene	12.335	146	15931	3.720	ug/l	93
95) Naphthalene	13.774	128	997920	99.648	ug/l	99

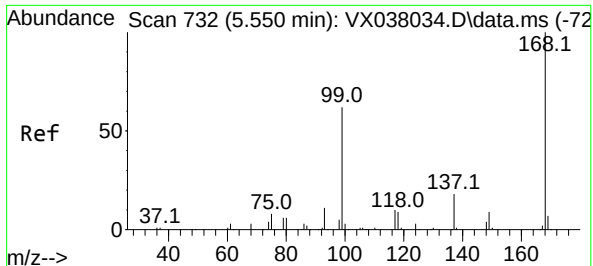
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B102-08-1(5-5.5)

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Quant Title : SW846 8260
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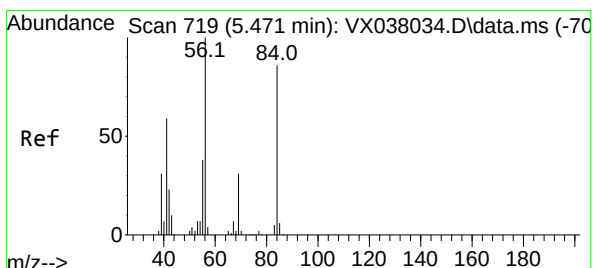
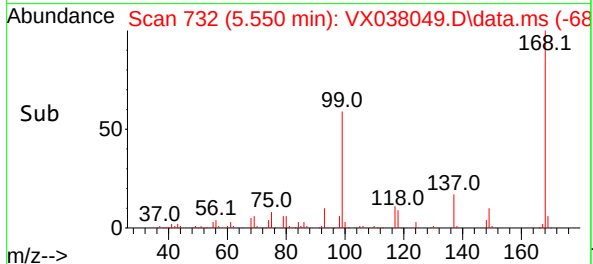
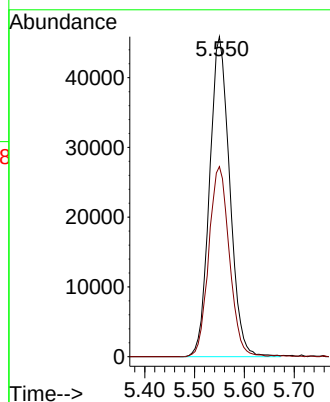
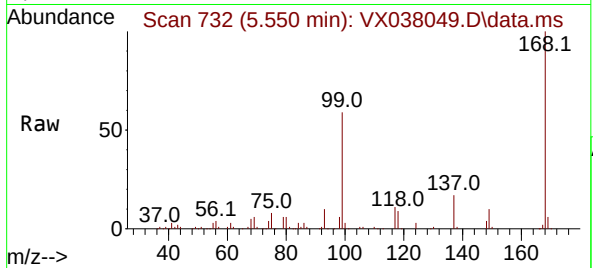




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

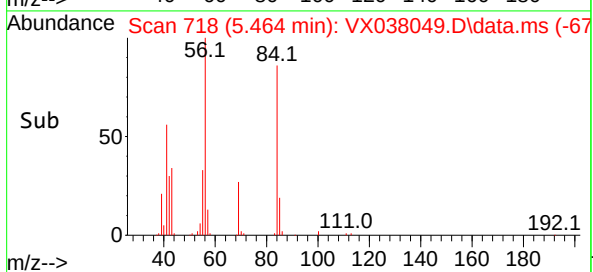
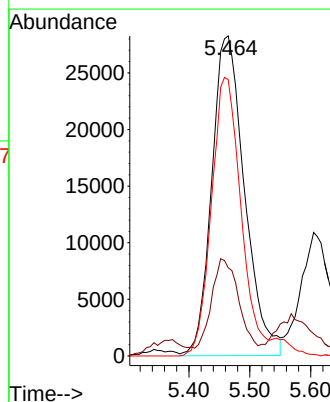
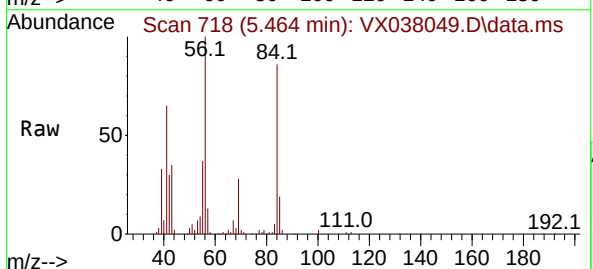
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)

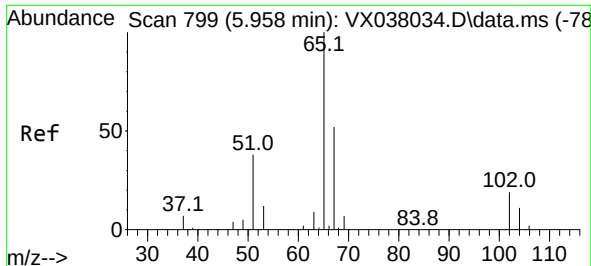
Tgt Ion:168 Resp: 128734
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#31
Cyclohexane
Concen: 45.083 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.007 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 56 Resp: 105598
Ion Ratio Lower Upper
56 100
69 24.2 23.4 35.2
84 86.9 65.9 98.9

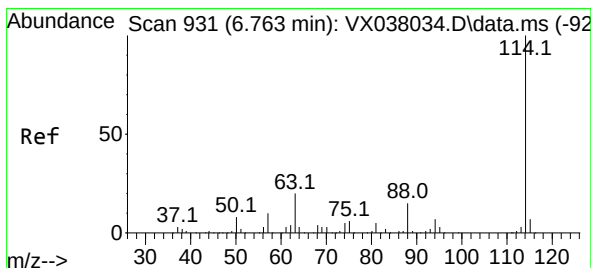
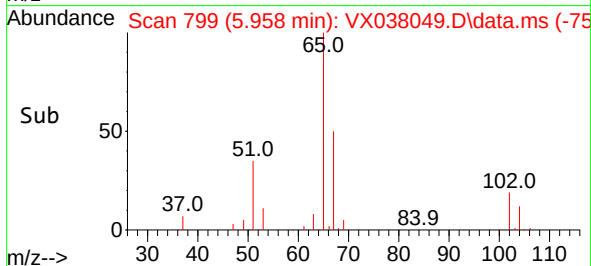
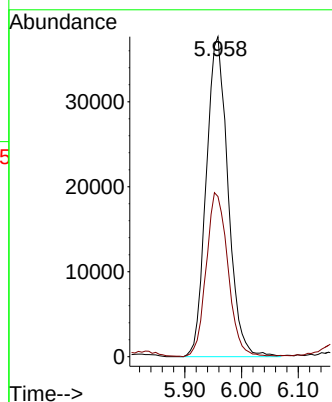
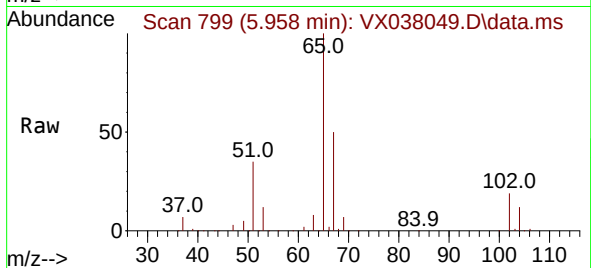




#33
 1,2-Dichloroethane-d4
 Concen: 50.090 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038049.D
 Acq: 03 Oct 2023 20:02

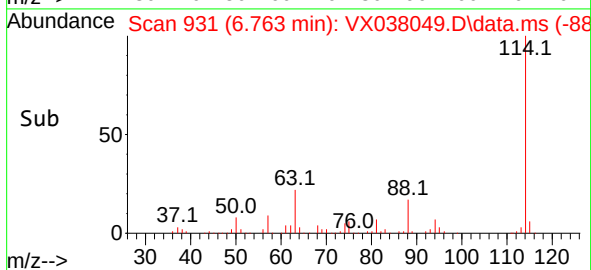
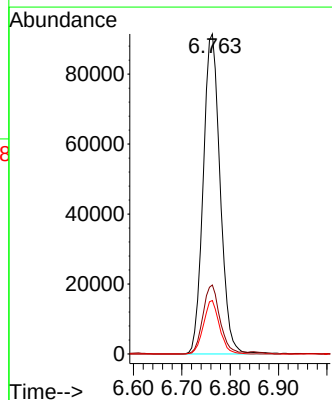
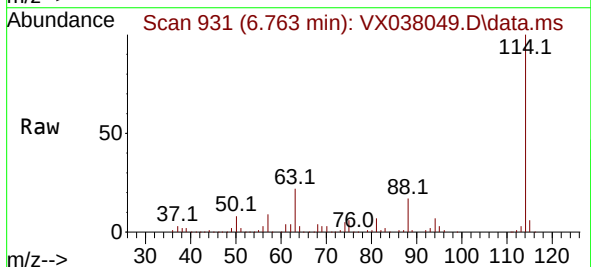
Instrument :
 MSVOA_X
 ClientSampleId :
 B102-08-1(5-5.5)

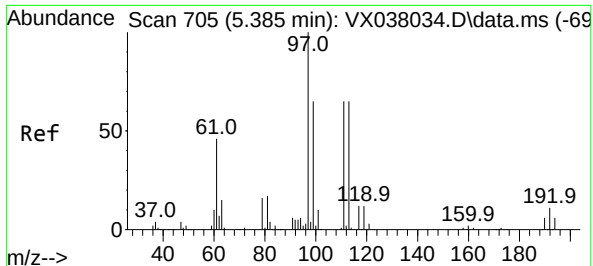
Tgt Ion: 65 Resp: 100333
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038049.D
 Acq: 03 Oct 2023 20:02

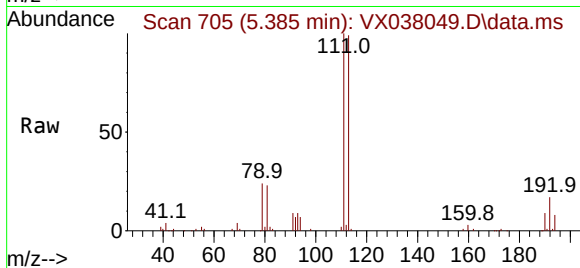
Tgt Ion: 114 Resp: 222322
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.0
 88 16.7 0.0 36.6



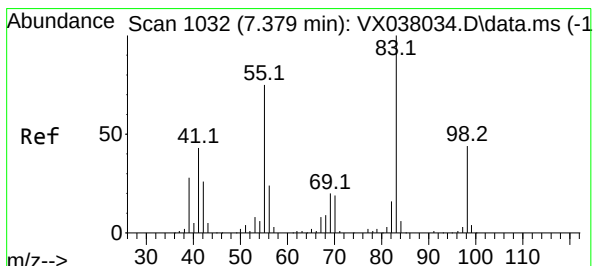
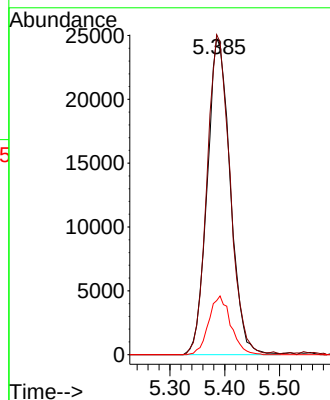
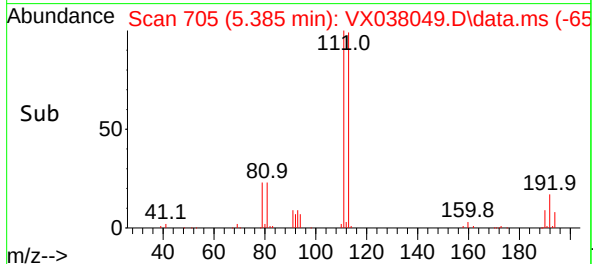


#35
Dibromofluoromethane
Concen: 47.284 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

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

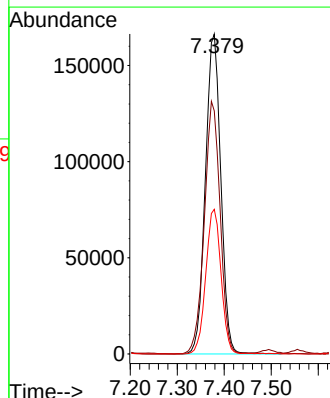
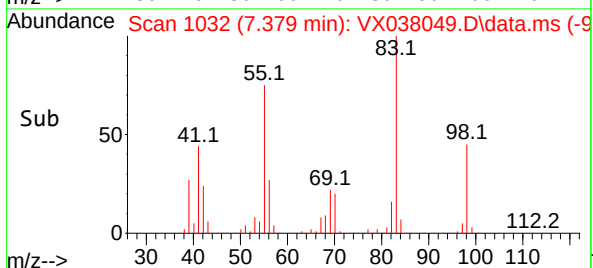
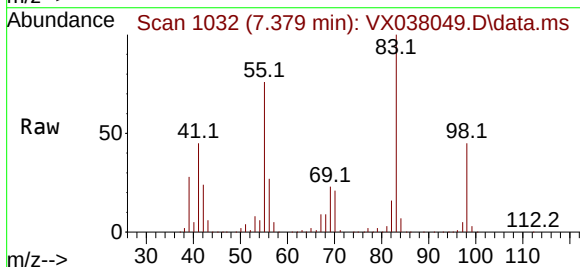


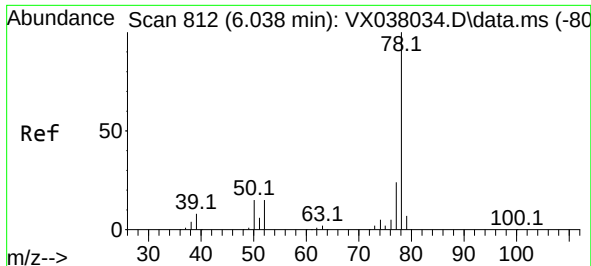
Tgt Ion:113 Resp: 72118
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 17.8 13.3 19.9



#39
Methylcyclohexane
Concen: 142.314 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 83 Resp: 378071
Ion Ratio Lower Upper
83 100
55 75.8 64.6 97.0
98 45.2 36.7 55.1

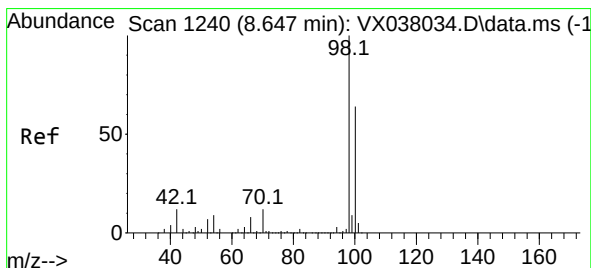
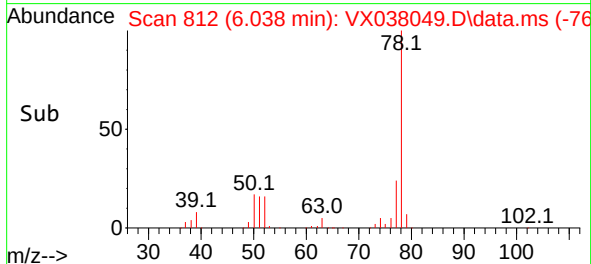
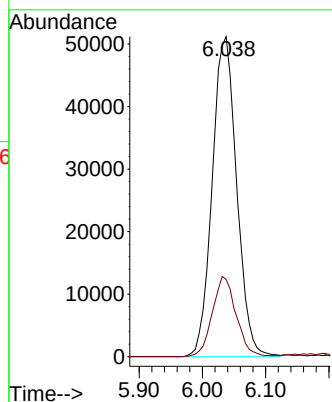
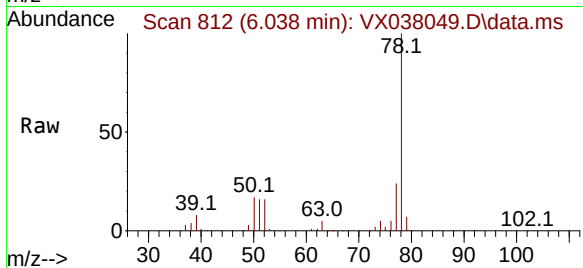




#40
Benzene
Concen: 21.685 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

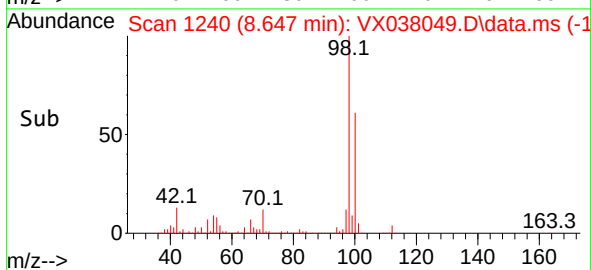
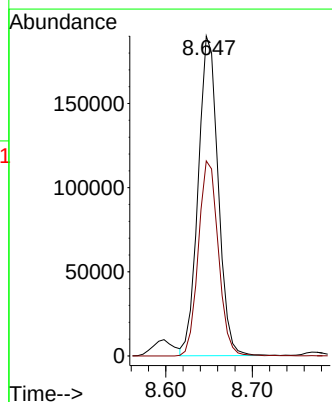
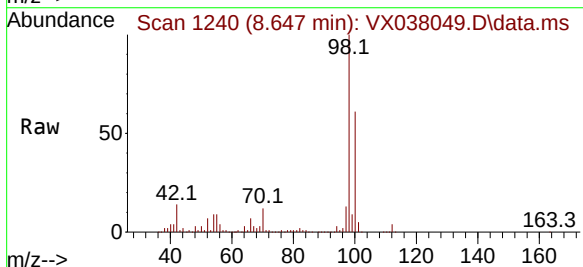
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)

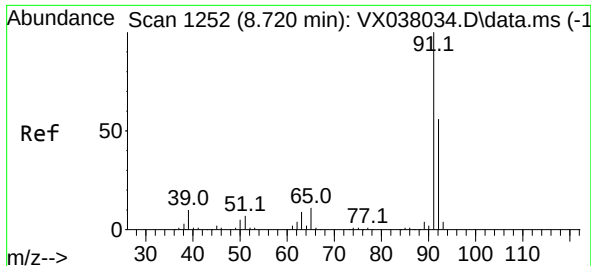
Tgt Ion: 78 Resp: 137501
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



#50
Toluene-d8
Concen: 52.021 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 98 Resp: 303646
Ion Ratio Lower Upper
98 100
100 61.3 53.1 79.7

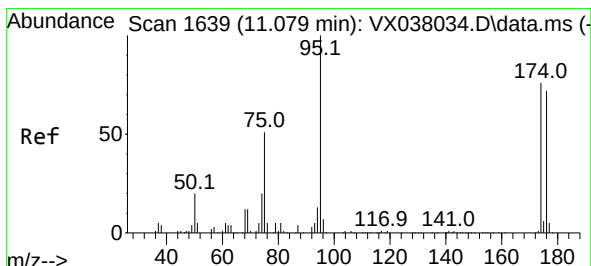
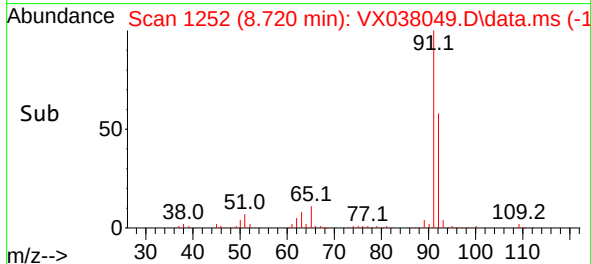
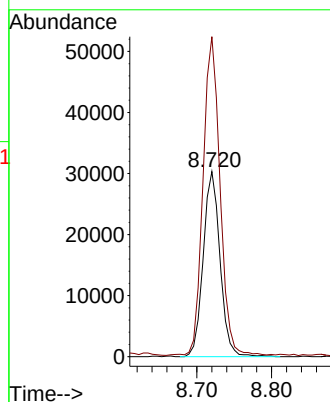
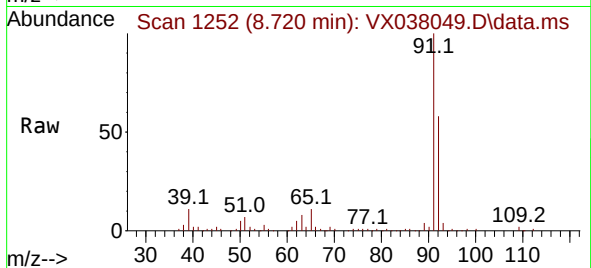




#52
Toluene
Concen: 11.525 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

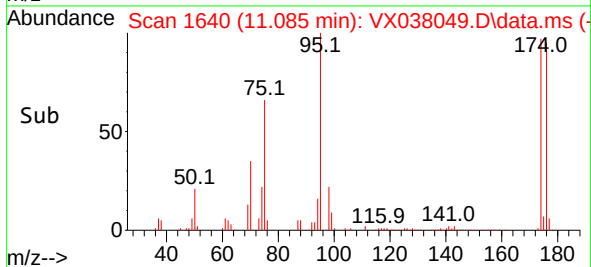
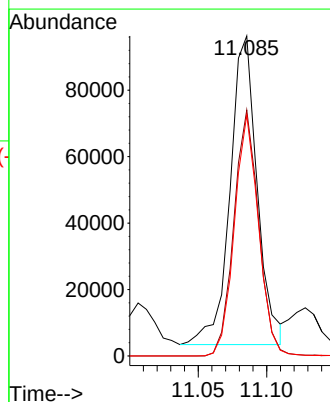
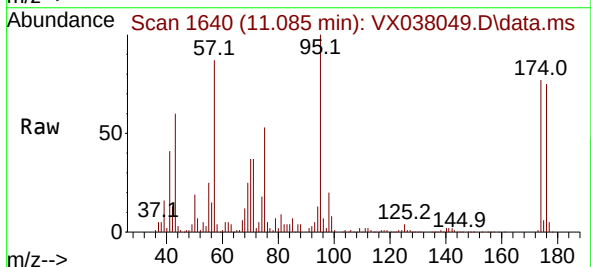
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MSVOA_X
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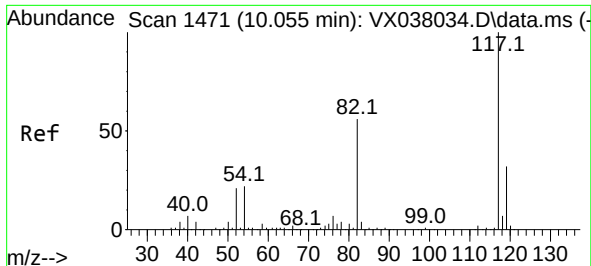
Tgt Ion: 92 Resp: 47298
Ion Ratio Lower Upper
92 100
91 174.3 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 60.381 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 95 Resp: 128270
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.6 0.0 131.0

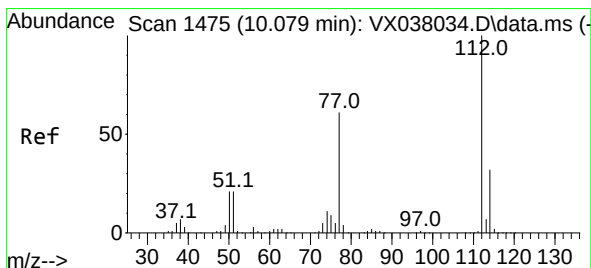
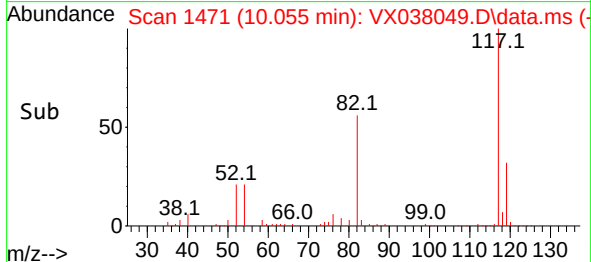
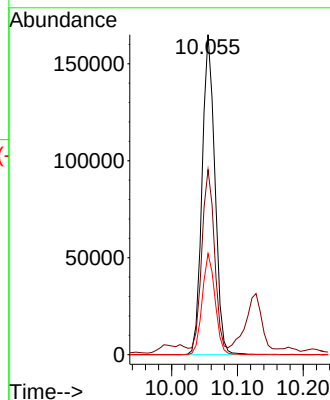
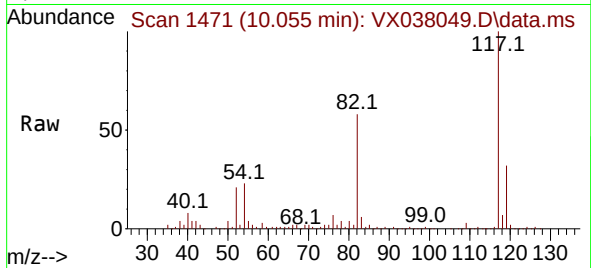




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

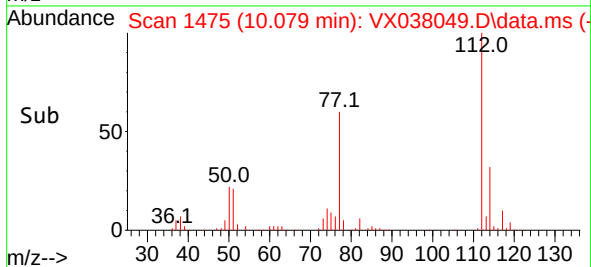
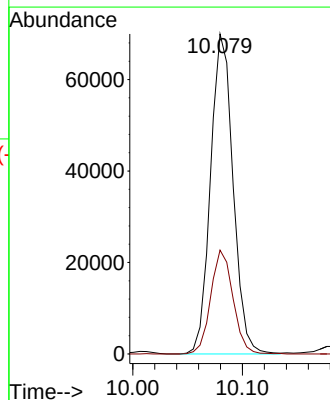
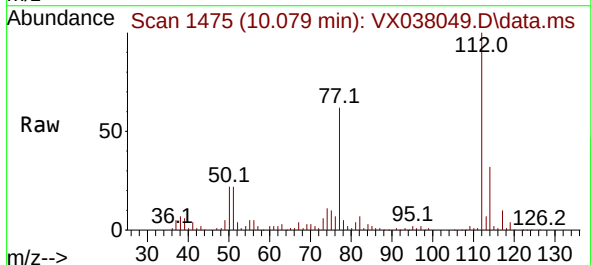
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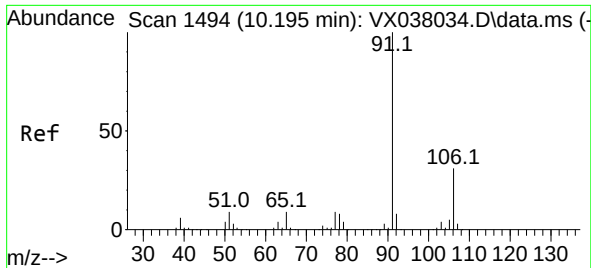
Tgt Ion:117 Resp: 223520
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 31.6 25.5 38.3



#65
Chlorobenzene
Concen: 21.303 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion:112 Resp: 99956
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

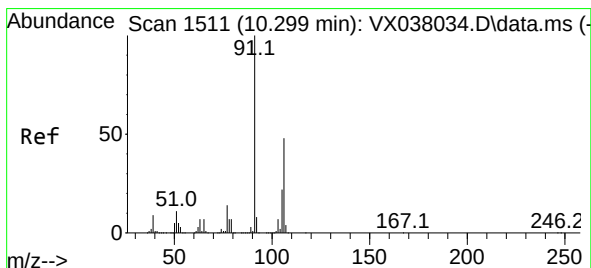
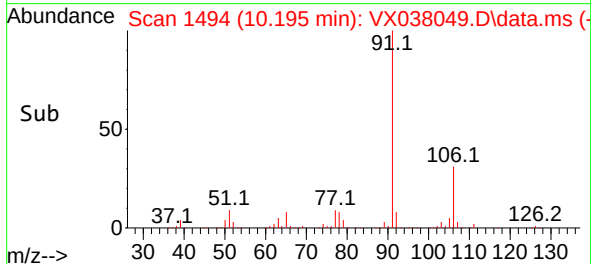
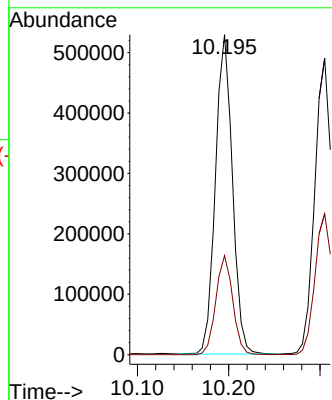
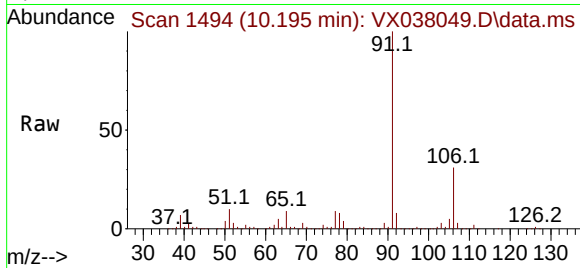




#67
Ethyl Benzene
Concen: 80.914 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

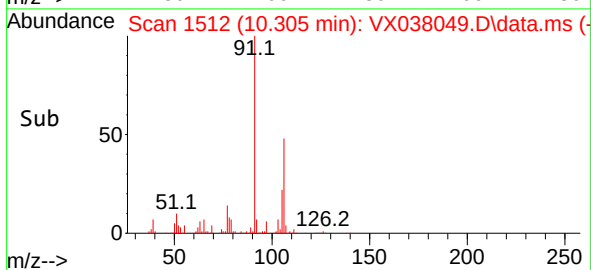
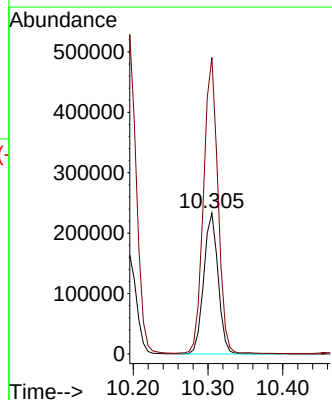
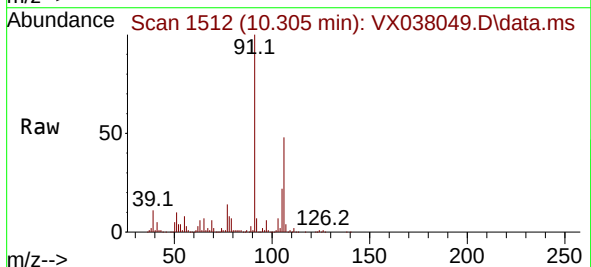
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B102-08-1(5-5.5)

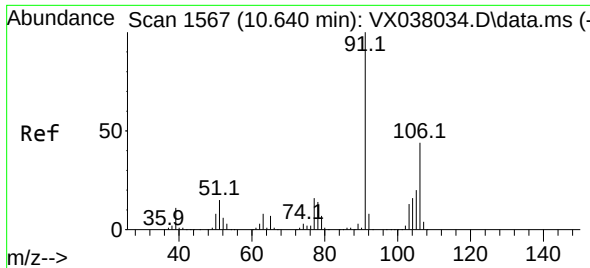
Tgt Ion: 91 Resp: 682951
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 96.020 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 106 Resp: 310379
Ion Ratio Lower Upper
106 100
91 211.0 165.5 248.3

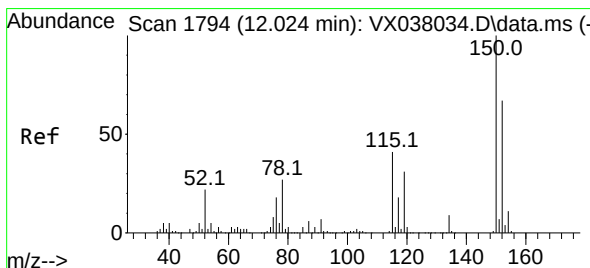
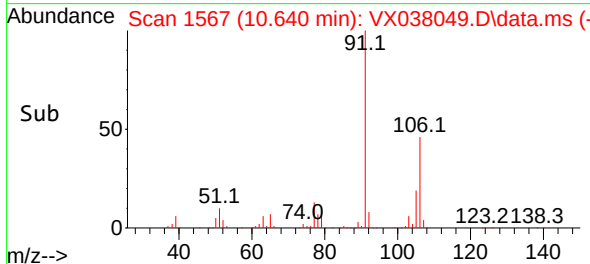
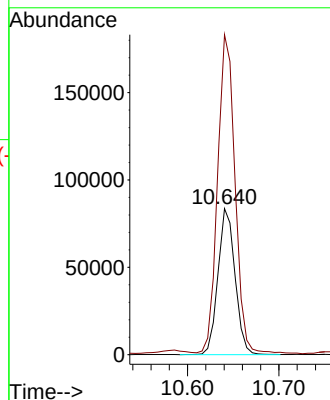
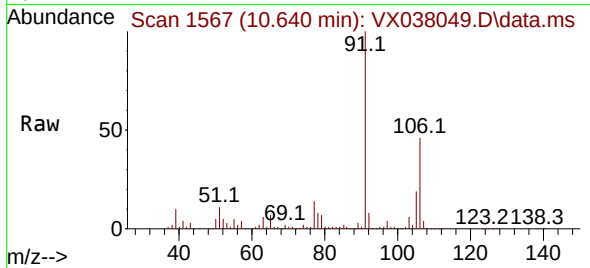




#69
o-Xylene
Concen: 35.472 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

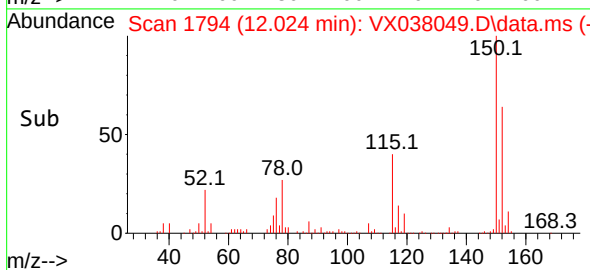
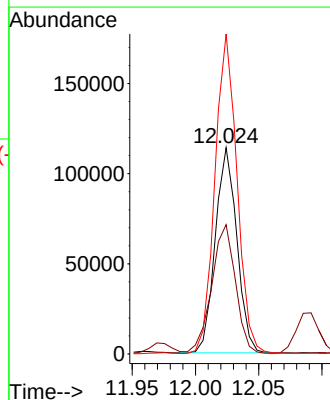
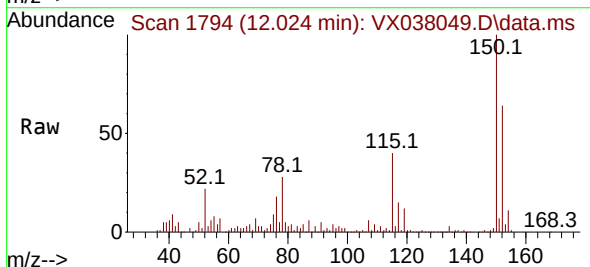
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)

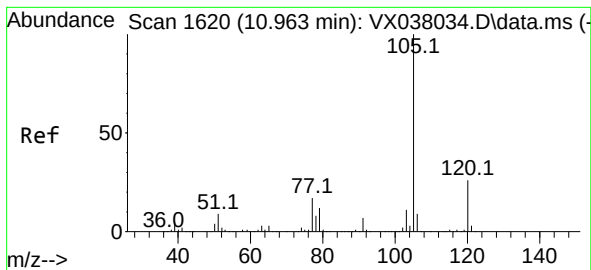
Tgt Ion:106 Resp: 108886
Ion Ratio Lower Upper
106 100
91 223.5 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion:152 Resp: 134890
Ion Ratio Lower Upper
152 100
115 68.9 43.3 129.9
150 159.2 0.0 345.0





#73

Isopropylbenzene

Concen: 21.139 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038049.D

Acq: 03 Oct 2023 20:02

Instrument :

MSVOA_X

ClientSampleId :

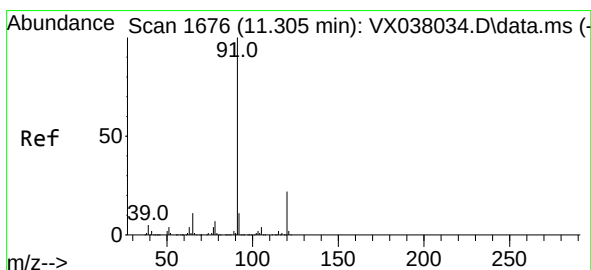
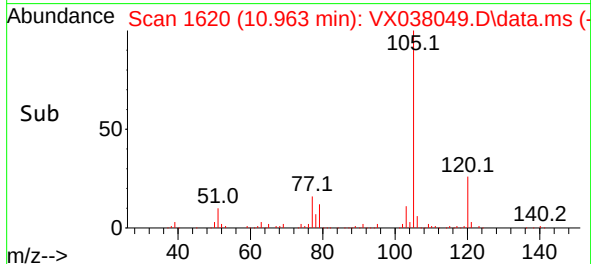
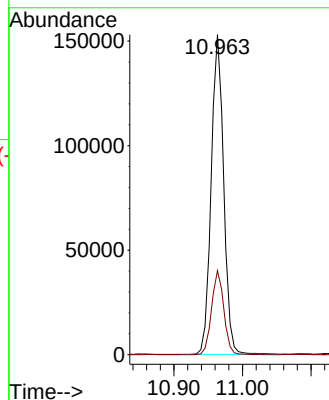
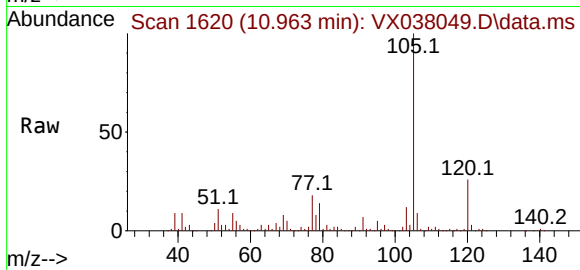
B102-08-1(5-5.5)

Tgt Ion:105 Resp: 193516

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6



#78

n-propylbenzene

Concen: 44.255 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038049.D

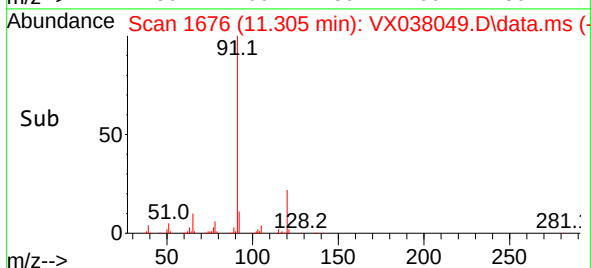
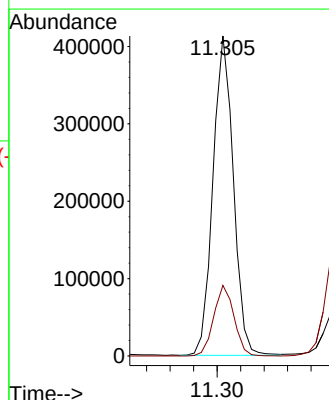
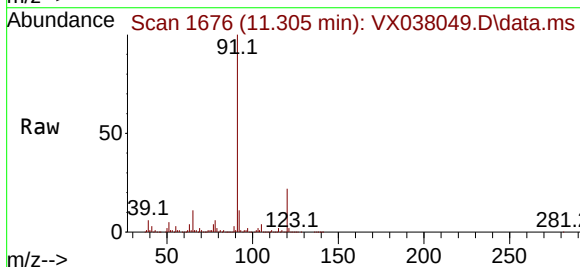
Acq: 03 Oct 2023 20:02

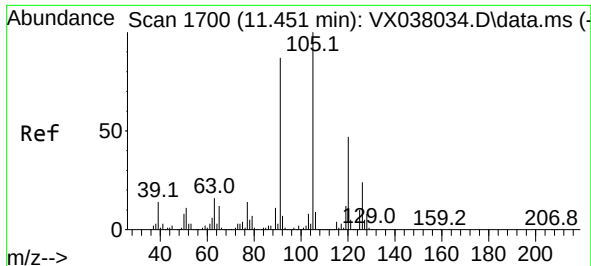
Tgt Ion: 91 Resp: 497808

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4

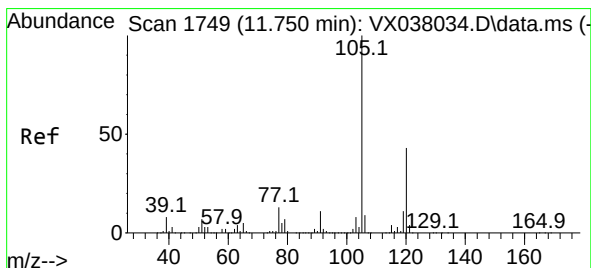
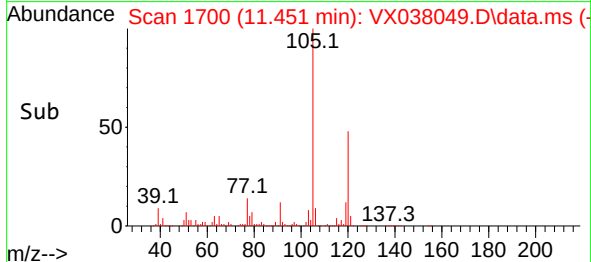
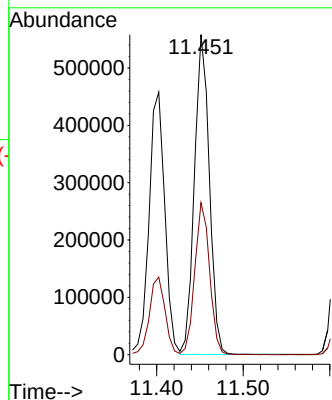
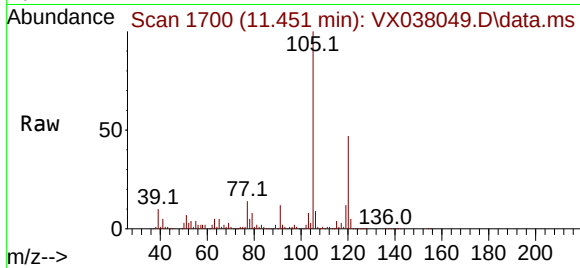




#80
 1,3,5-Trimethylbenzene
 Concen: 85.597 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX038049.D
 Acq: 03 Oct 2023 20:02

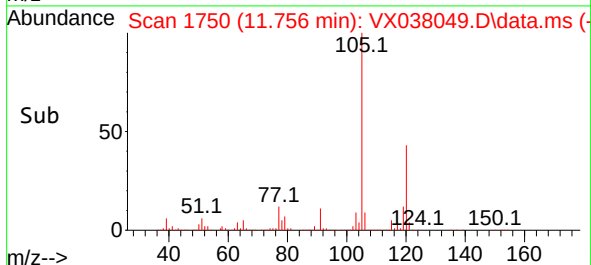
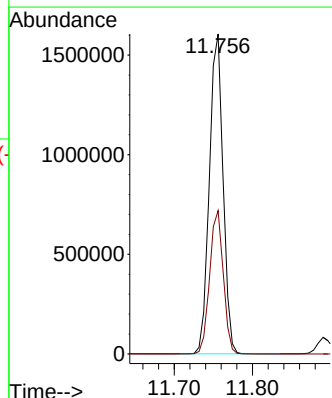
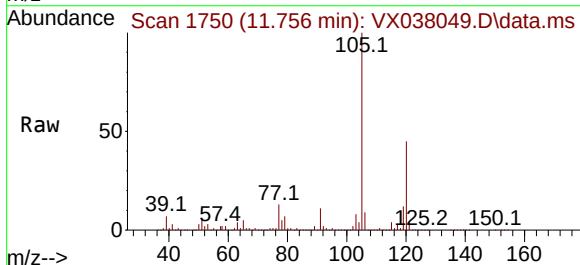
Instrument :
 MSVOA_X
 ClientSampleId :
 B102-08-1(5-5.5)

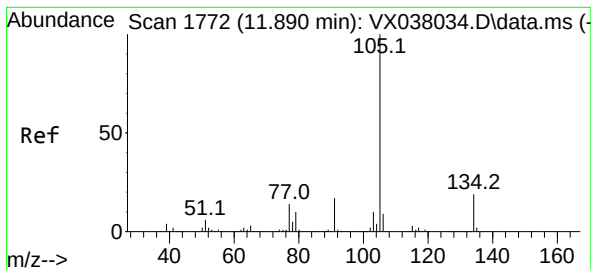
Tgt Ion:105 Resp: 666913
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 247.301 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX038049.D
 Acq: 03 Oct 2023 20:02

Tgt Ion:105 Resp: 1943310
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.2 63.6





#85

sec-Butylbenzene

Concen: 9.886 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX038049.D

Acq: 03 Oct 2023 20:02

Instrument :

MSVOA_X

ClientSampleId :

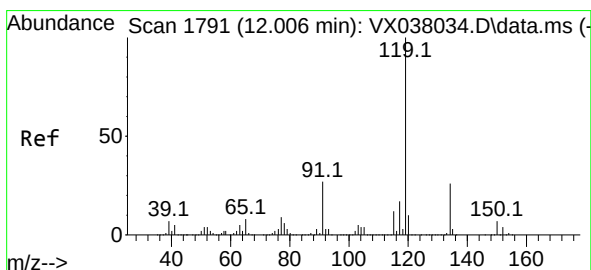
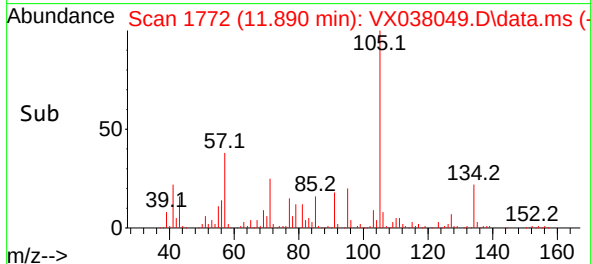
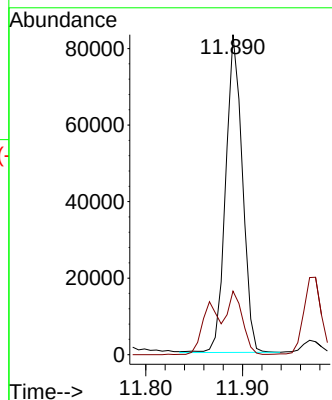
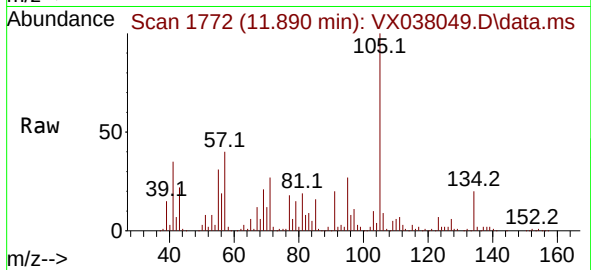
B102-08-1(5-5.5)

Tgt Ion:105 Resp: 99308

Ion Ratio Lower Upper

105 100

134 18.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 16.394 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX038049.D

Acq: 03 Oct 2023 20:02

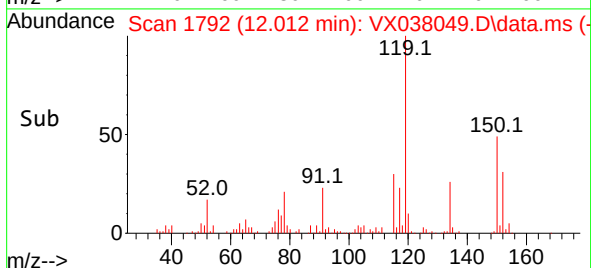
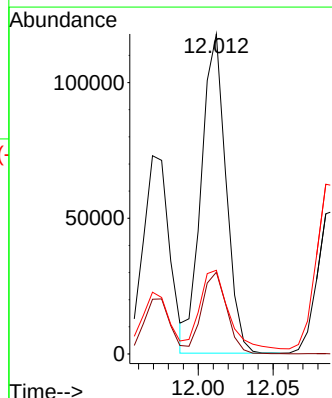
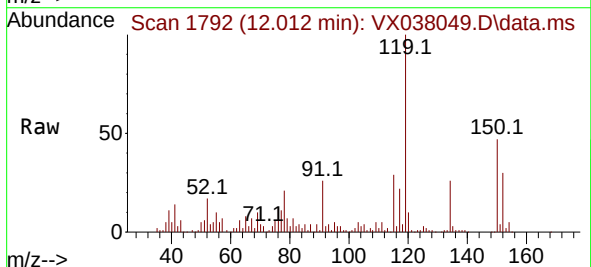
Tgt Ion:119 Resp: 134864

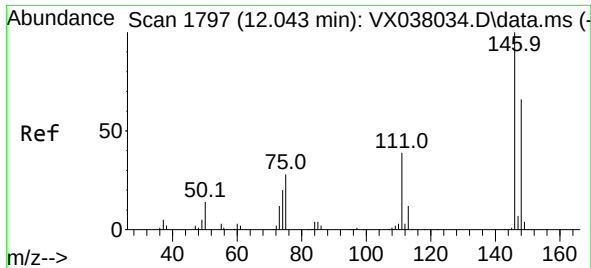
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 28.3 13.1 39.3

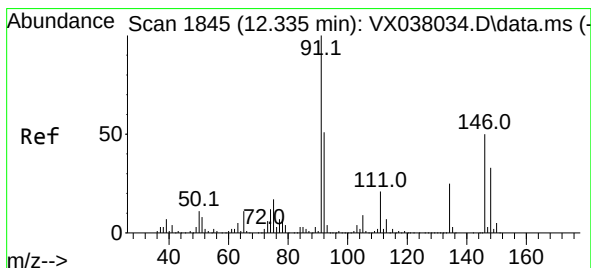
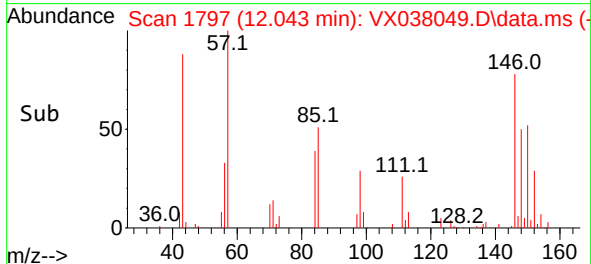
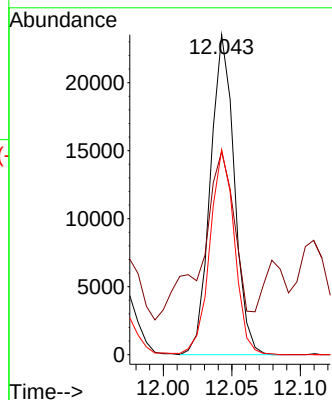
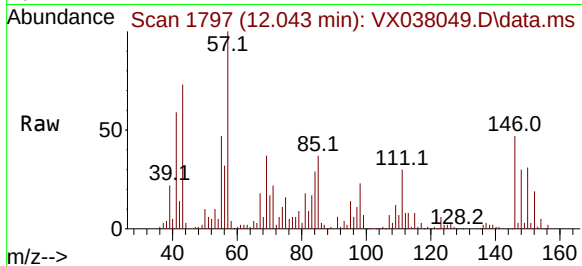




#88
1,4-Dichlorobenzene
Concen: 6.082 ug/l
RT: 12.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

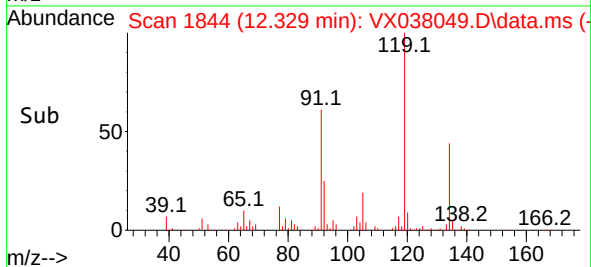
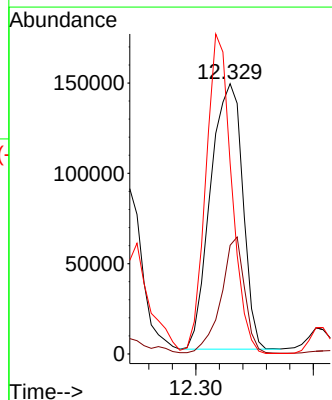
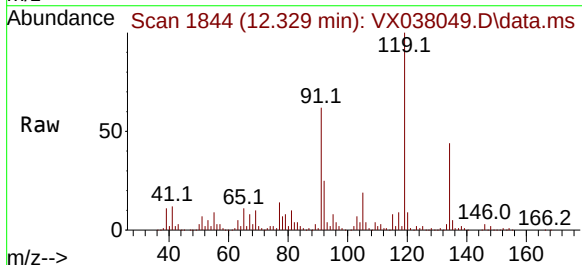
Instrument :
MSVOA_X
ClientSampleId :
B102-08-1(5-5.5)

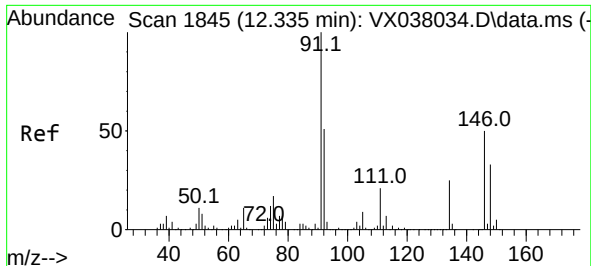
Tgt Ion:146 Resp: 28568
Ion Ratio Lower Upper
146 100
111 71.0 21.3 63.7#
148 65.7 31.8 95.4



#89
n-Butylbenzene
Concen: 34.128 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion: 91 Resp: 280198
Ion Ratio Lower Upper
91 100
92 32.0 27.4 82.0
134 96.4 12.6 37.8#

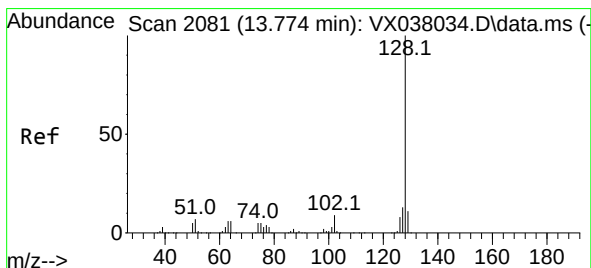
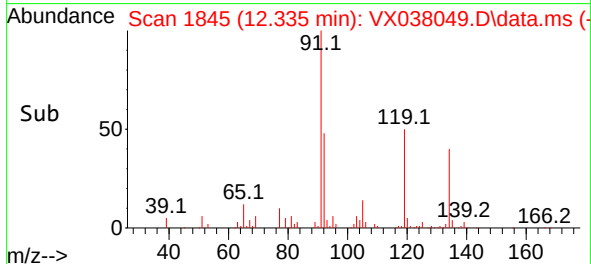
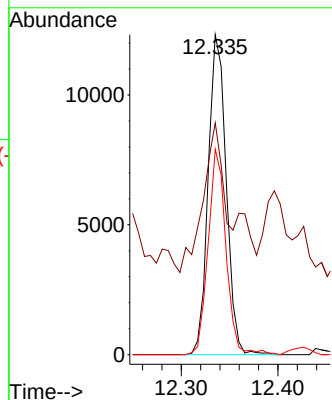
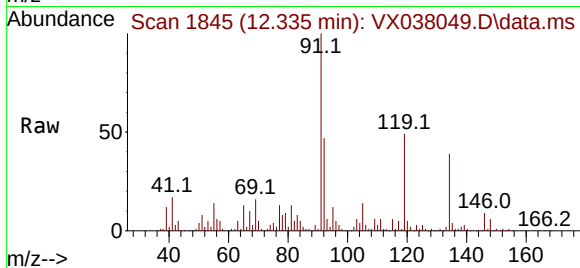




#91
1,2-Dichlorobenzene
Concen: 3.720 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

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

Tgt Ion:146 Resp: 15931
Ion Ratio Lower Upper
146 100
111 55.2 22.4 67.0
148 64.0 31.6 95.0



#95
Naphthalene
Concen: 99.648 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX038049.D
Acq: 03 Oct 2023 20:02

Tgt Ion:128 Resp: 997920
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.7 8.8 13.2

