

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040325.D
 Acq On : 19 Feb 2024 13:07
 Operator : JC/MD
 Sample : P1395-03 40X
 Misc : 3.46g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-2(4-6)

Quant Time: Feb 20 01:13:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

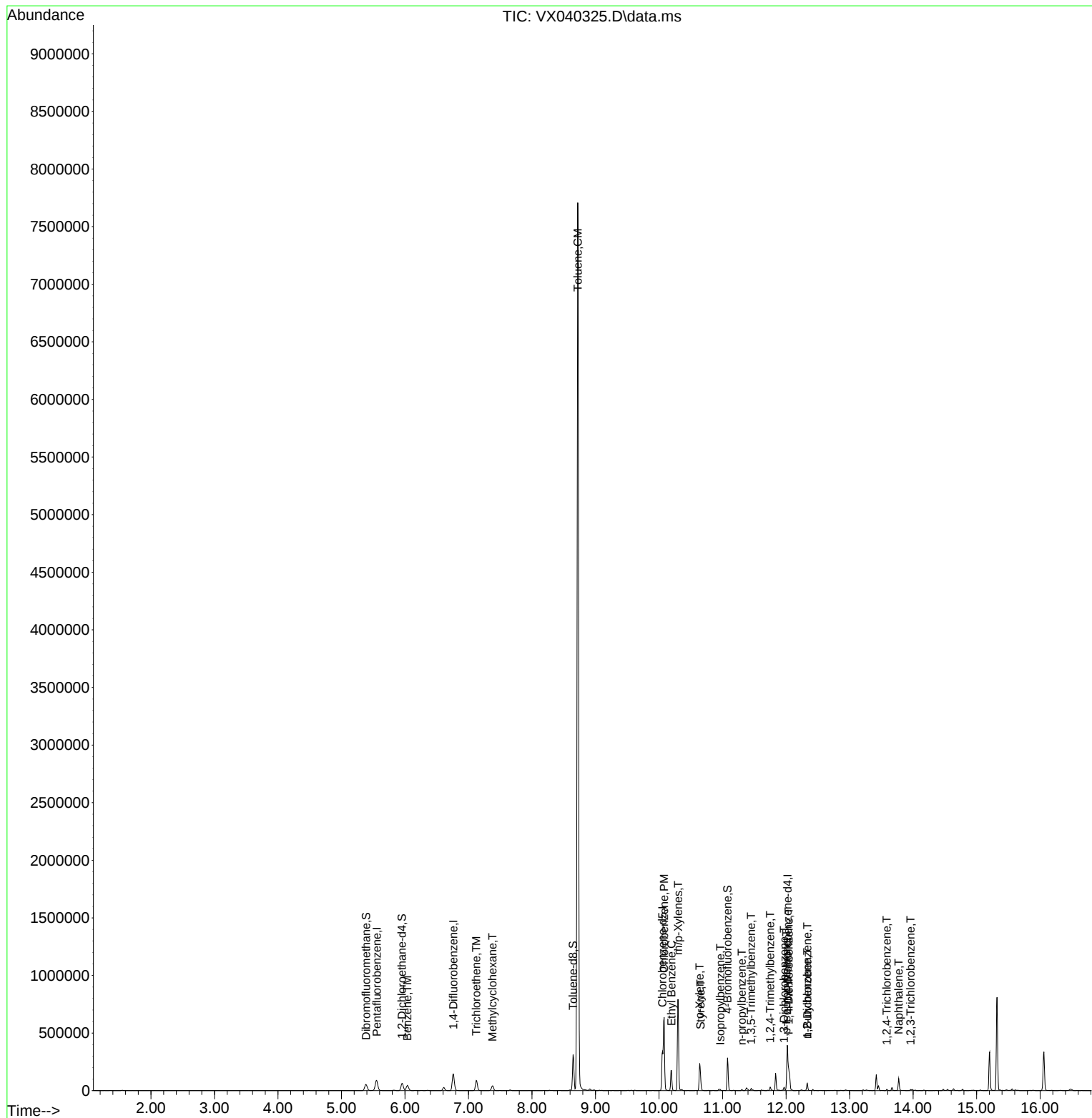
Internal Standards						
1) Pentafluorobenzene	5.556	168	81029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	146904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61570	51.075	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.160%			
35) Dibromofluoromethane	5.385	113	47299	46.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.200%			
50) Toluene-d8	8.647	98	181726	47.354	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.700%			
62) 4-Bromofluorobenzene	11.079	95	73050	46.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.340%			
Target Compounds					Qvalue	
39) Methylcyclohexane	7.379	83	17992	10.773	ug/l	93
40) Benzene	6.038	78	52957	13.177	ug/l	99
44) Trichloroethene	7.123	130	32728	29.523	ug/l	97
52) Toluene	8.720	92	2918221	1108.587	ug/l	99
65) Chlorobenzene	10.080	112	259648	88.257	ug/l	98
67) Ethyl Benzene	10.195	91	104189	19.885	ug/l	98
68) m/p-Xylenes	10.299	106	173336	87.594	ug/l	97
69) o-Xylene	10.640	106	44246	23.009	ug/l	96
70) Styrene	10.653	104	29967	9.373	ug/l #	83
73) Isopropylbenzene	10.964	105	5505	1.047	ug/l	100
78) n-propylbenzene	11.305	91	6585	1.035	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	5969	1.349	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	13056	2.916	ug/l	100
86) p-Isopropyltoluene	12.006	119	5562	1.217	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	2799	1.138	ug/l	89
88) 1,4-Dichlorobenzene	12.043	146	45263	17.374	ug/l	100
89) n-Butylbenzene	12.335	91	6421	1.455	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	14034	5.892	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	2178	1.336	ug/l	93
95) Naphthalene	13.774	128	60012	11.653	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	1813	1.166	ug/l	99

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

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B-2(4-6)

Quant Time: Feb 20 01:13:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.006 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

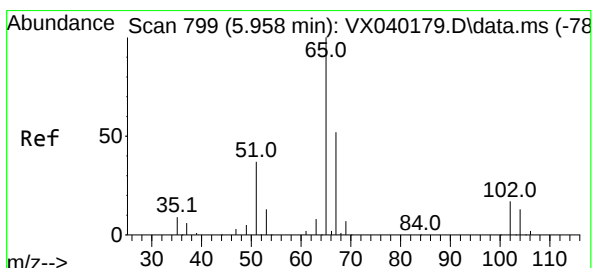
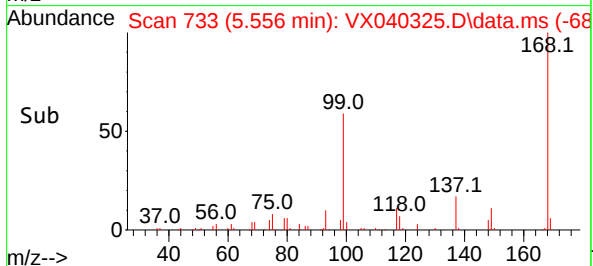
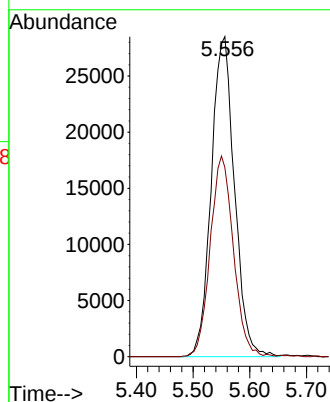
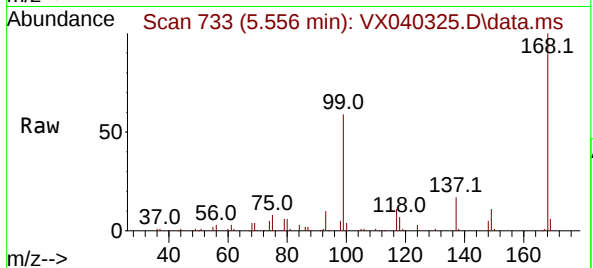
Instrument :

MSVOA_X

ClientSampleId :

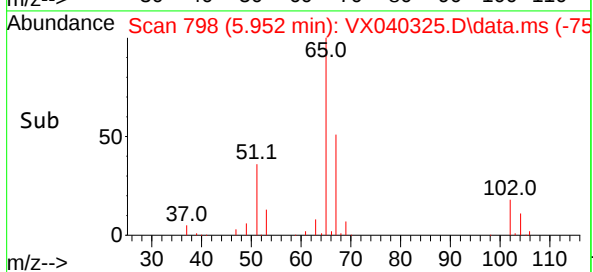
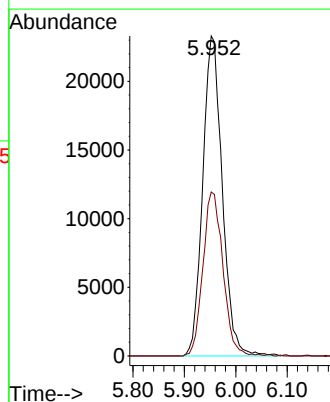
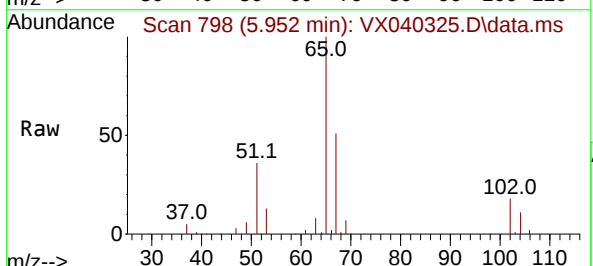
B-2(4-6)

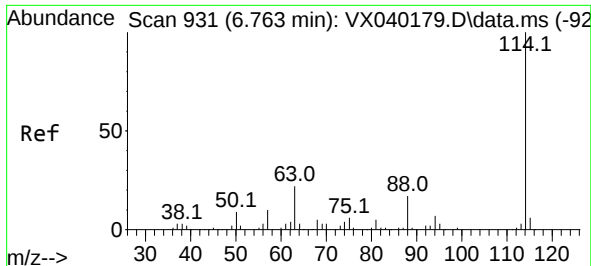
Tgt Ion:168 Resp: 81029
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#33
1,2-Dichloroethane-d4
Concen: 51.075 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion: 65 Resp: 61570
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2

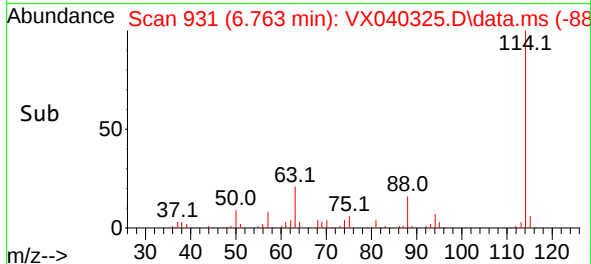
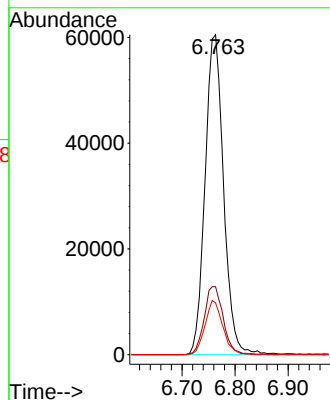
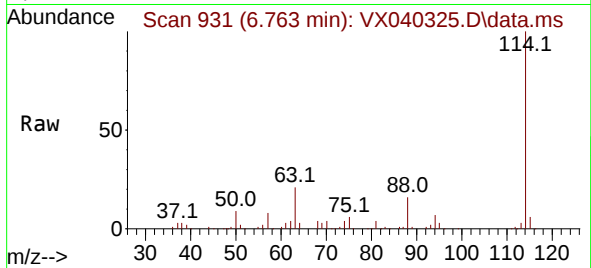




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

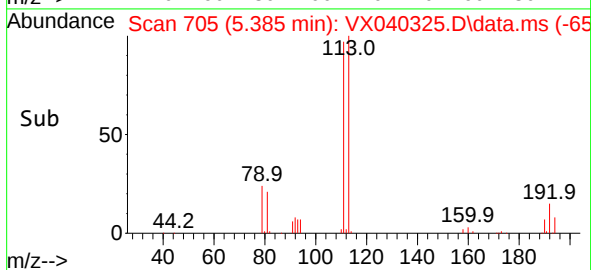
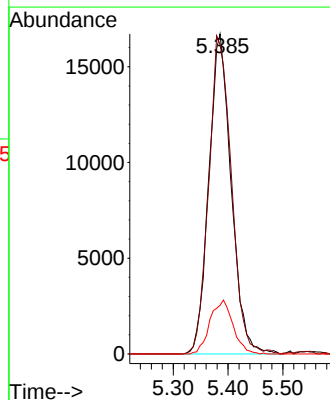
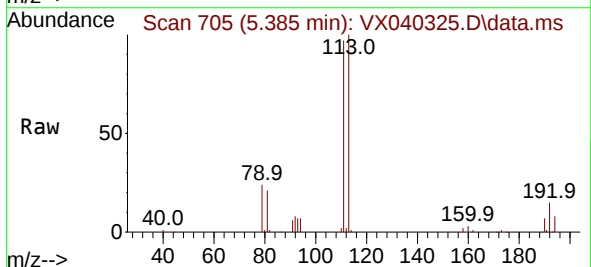
Instrument :
MSVOA_X
ClientSampleId :
B-2(4-6)

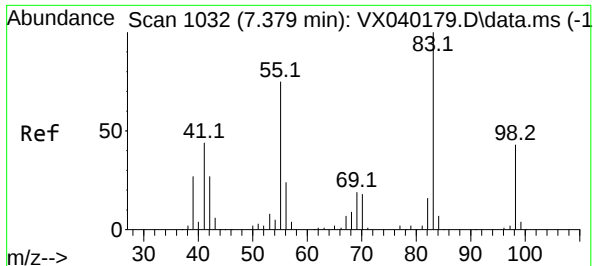
Tgt Ion:114 Resp: 146904
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.105 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion:113 Resp: 47299
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 17.4 13.3 19.9

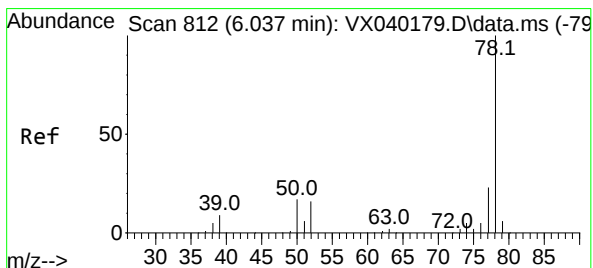
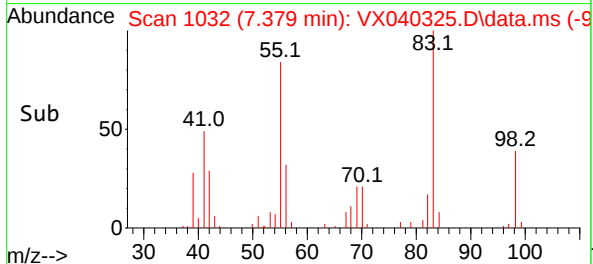
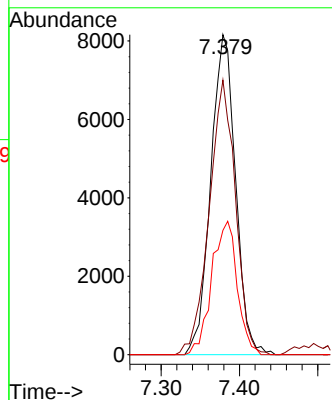
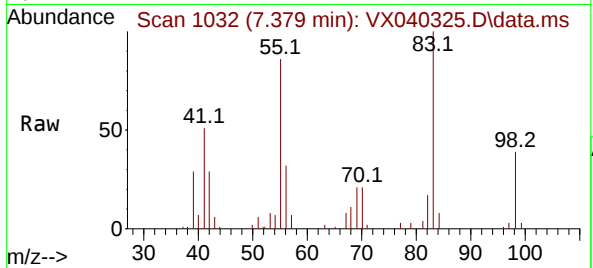




#39
Methylcyclohexane
Concen: 10.773 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

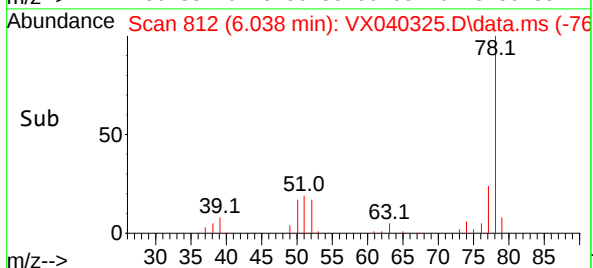
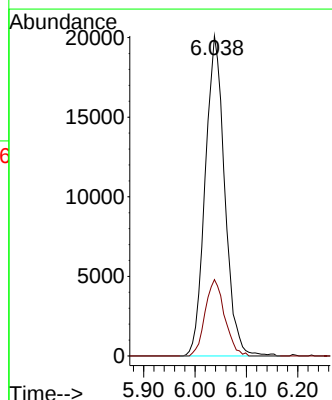
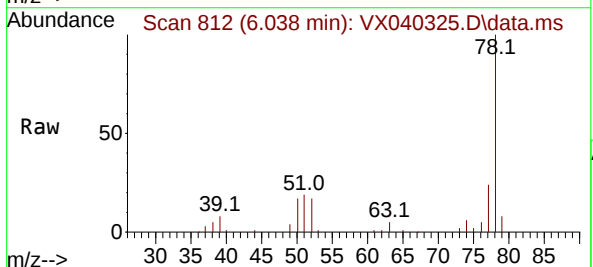
Instrument :
MSVOA_X
ClientSampleId :
B-2(4-6)

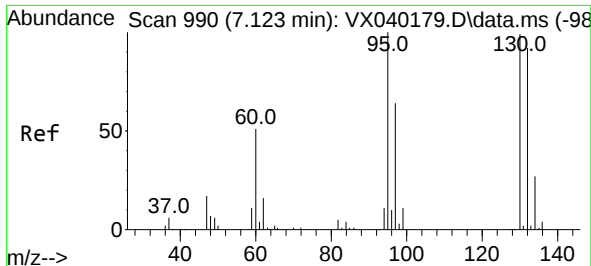
Tgt Ion: 83 Resp: 17992
Ion Ratio Lower Upper
83 100
55 85.8 64.6 97.0
98 38.8 36.7 55.1



#40
Benzene
Concen: 13.177 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion: 78 Resp: 52957
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9

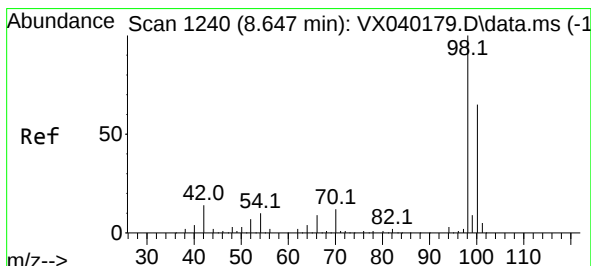
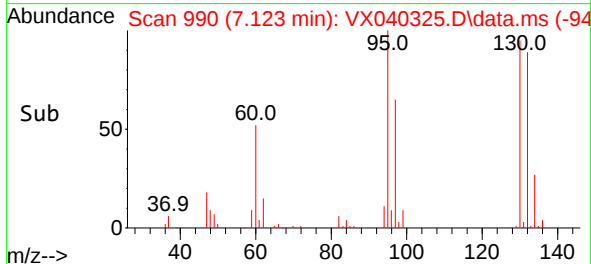
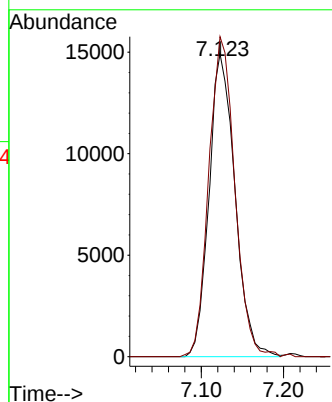
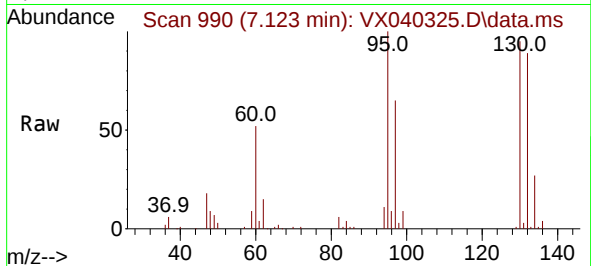




#44
 Trichloroethene
 Concen: 29.523 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. -0.006 min
 Lab File: VX040325.D
 Acq: 19 Feb 2024 13:07

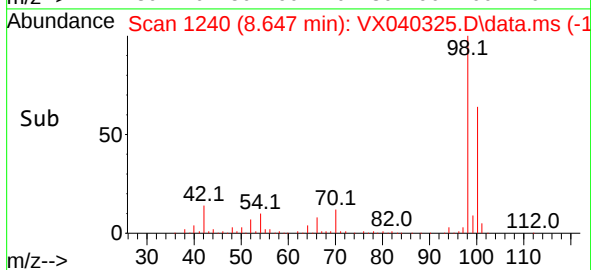
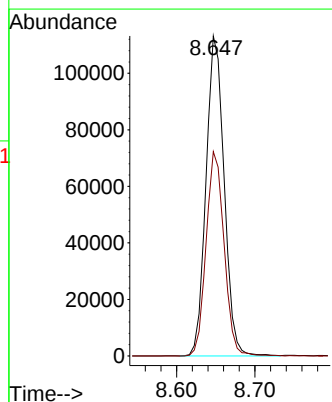
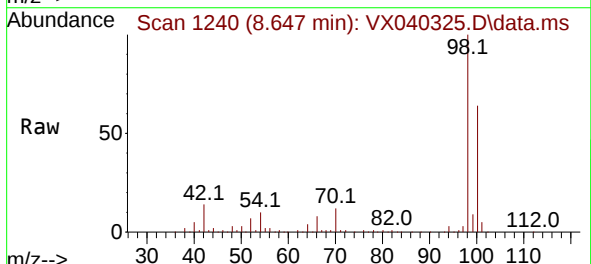
Instrument :
 MSVOA_X
 ClientSampleId :
 B-2(4-6)

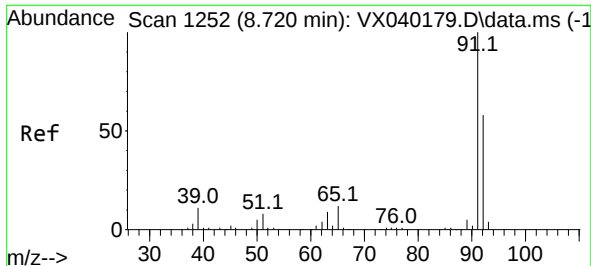
Tgt Ion:130 Resp: 32728
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 204.4



#50
 Toluene-d8
 Concen: 47.354 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.006 min
 Lab File: VX040325.D
 Acq: 19 Feb 2024 13:07

Tgt Ion: 98 Resp: 181726
 Ion Ratio Lower Upper
 98 100
 100 63.3 53.1 79.7

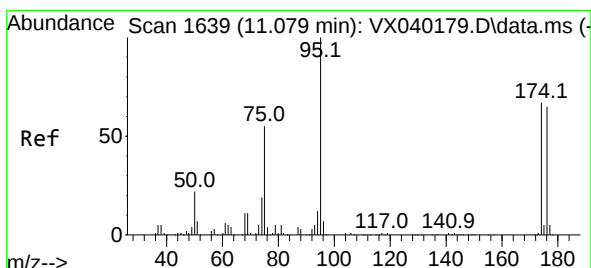
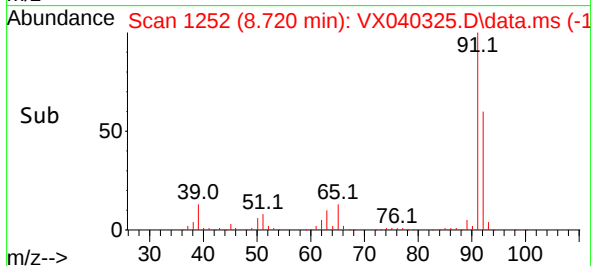
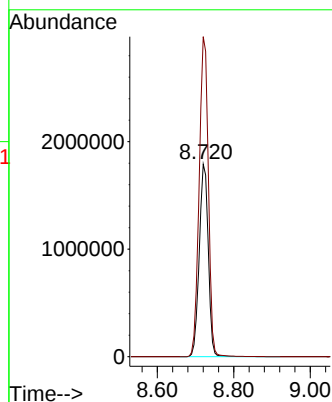
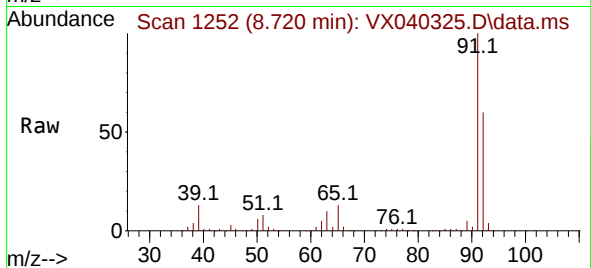




#52
Toluene
Concen: 1108.587 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

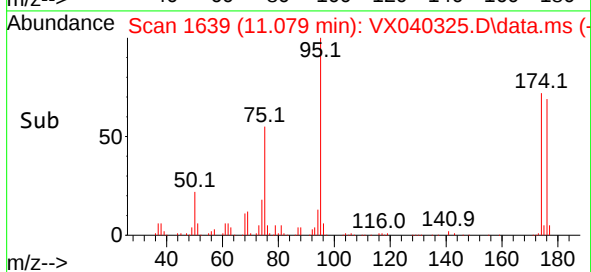
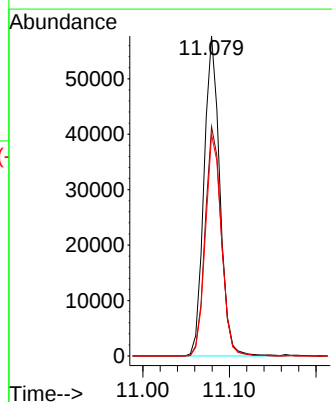
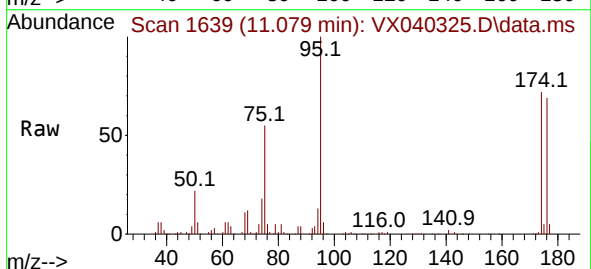
Instrument :
MSVOA_X
ClientSampleId :
B-2(4-6)

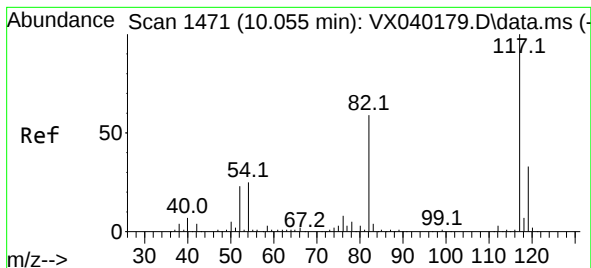
Tgt Ion: 92 Resp: 2918221
Ion Ratio Lower Upper
92 100
91 169.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 46.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion: 95 Resp: 73050
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 70.1 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: VX040325.D

Acq: 19 Feb 2024 13:07

Instrument :

MSVOA_X

ClientSampleId :

B-2(4-6)

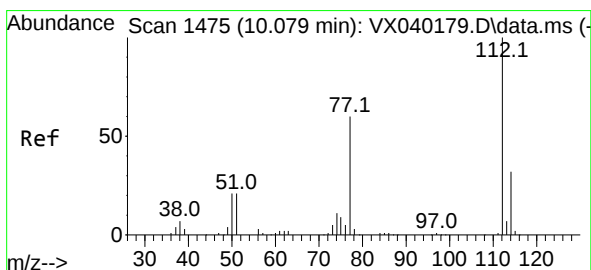
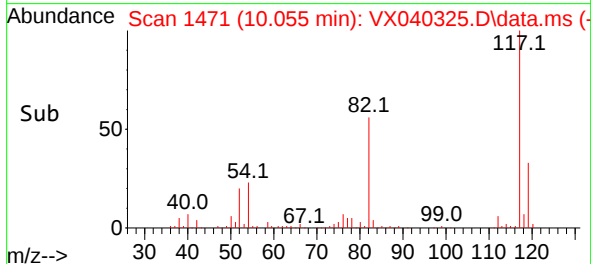
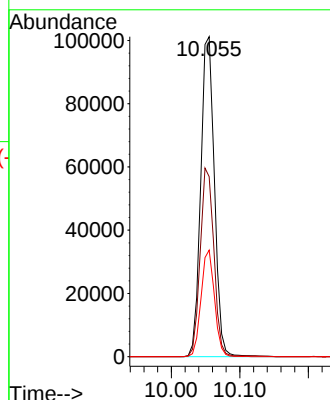
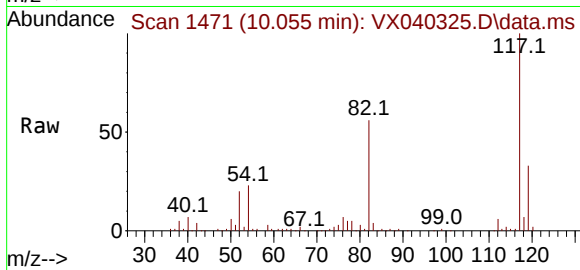
Tgt Ion:117 Resp: 140963

Ion Ratio Lower Upper

117 100

82 56.2 46.2 69.4

119 33.3 25.5 38.3



#65

Chlorobenzene

Concen: 88.257 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX040325.D

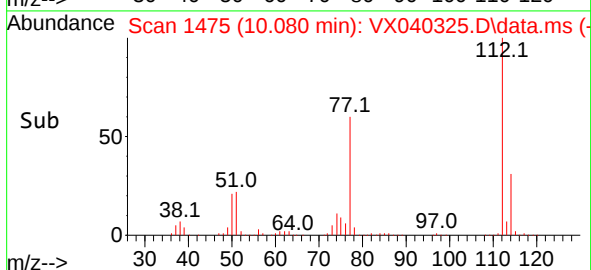
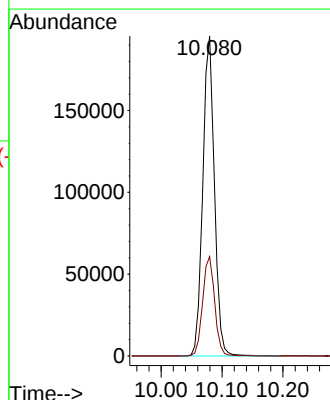
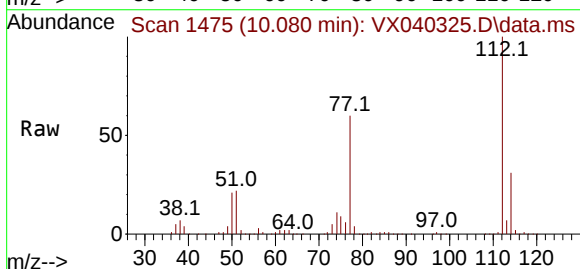
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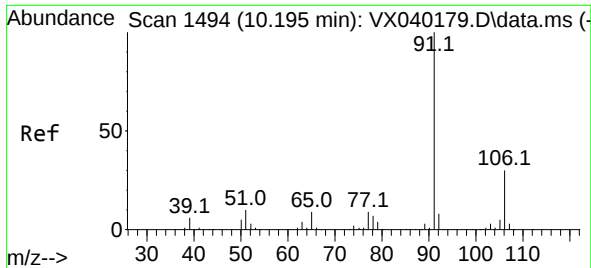
Tgt Ion:112 Resp: 259648

Ion Ratio Lower Upper

112 100

114 31.1 25.7 38.5

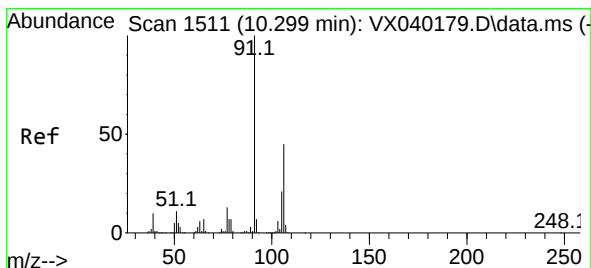
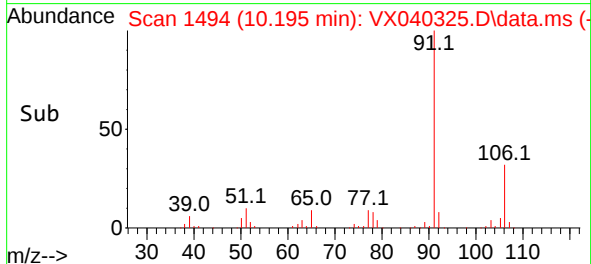
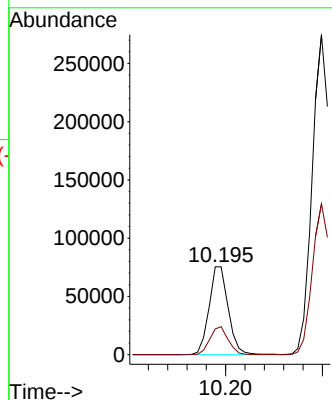
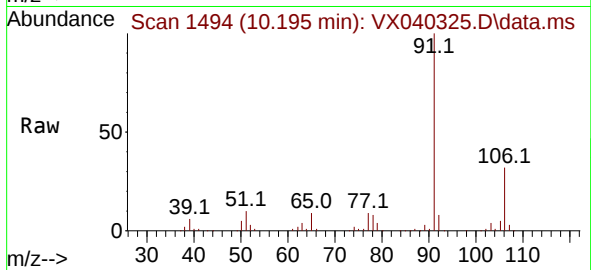




#67
Ethyl Benzene
Concen: 19.885 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

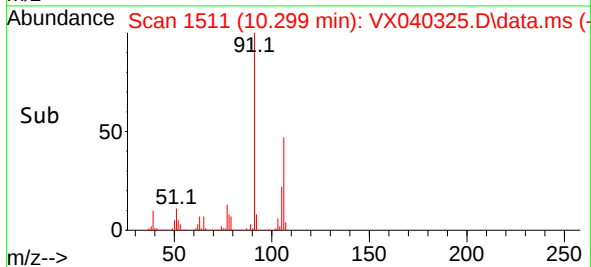
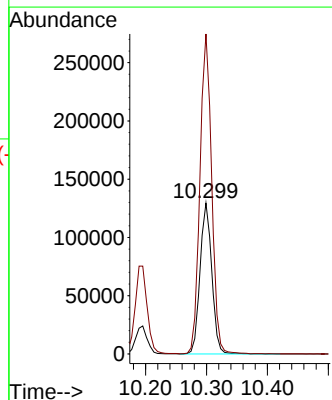
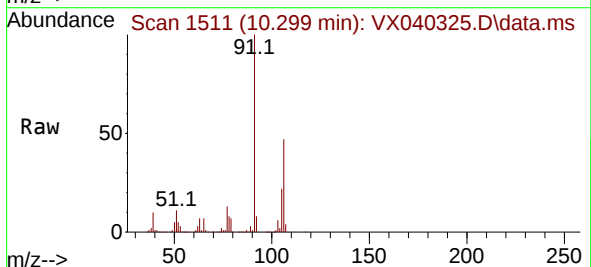
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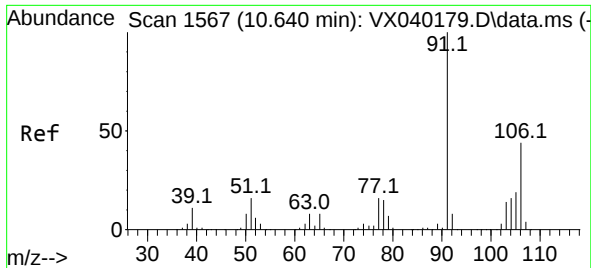
Tgt Ion: 91 Resp: 104189
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 87.594 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion:106 Resp: 173336
Ion Ratio Lower Upper
106 100
91 211.7 165.5 248.3

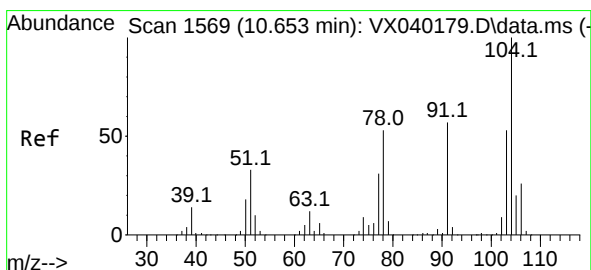
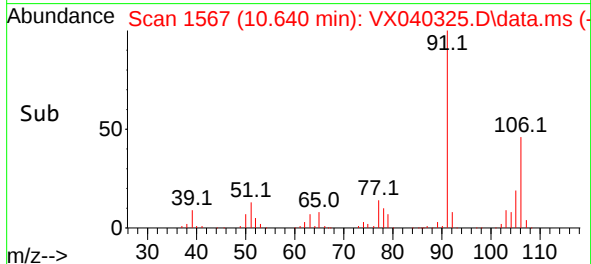
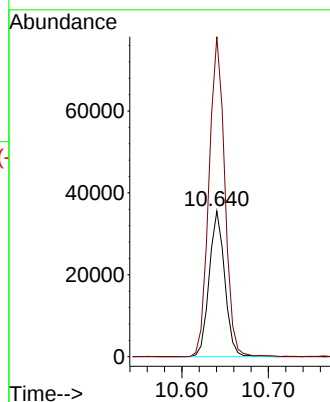
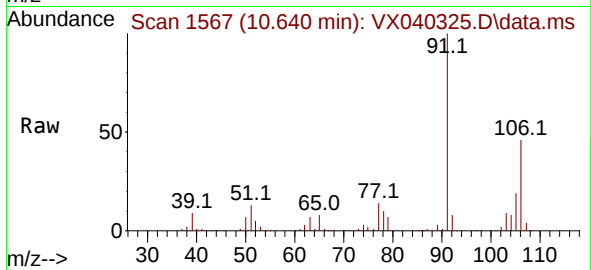




#69
o-Xylene
Concen: 23.009 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

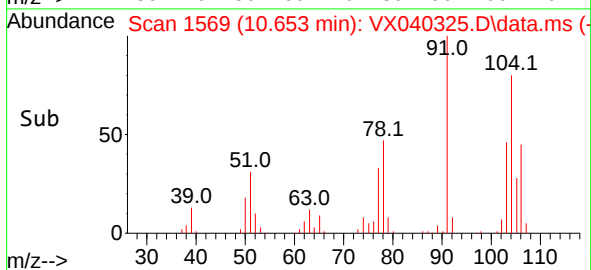
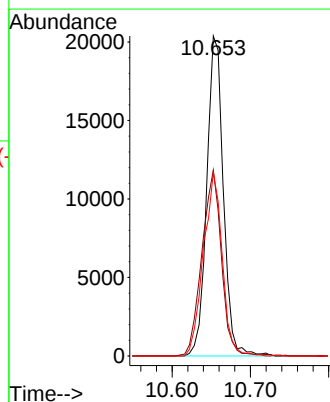
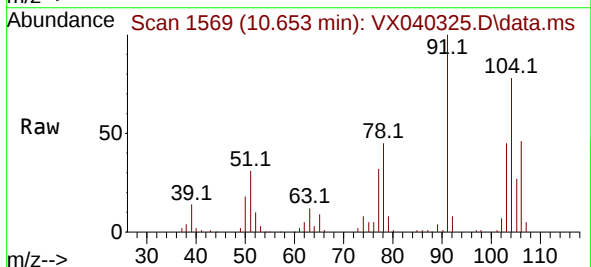
Instrument :
MSVOA_X
ClientSampleId :
B-2(4-6)

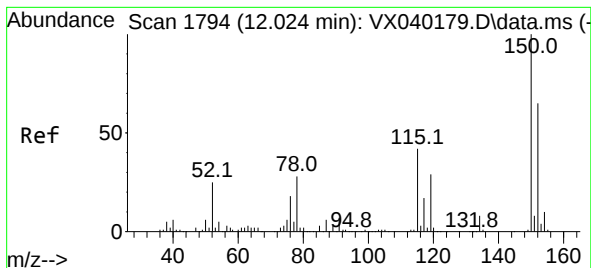
Tgt Ion:106 Resp: 44246
Ion Ratio Lower Upper
106 100
91 223.9 108.9 326.8



#70
Styrene
Concen: 9.373 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion:104 Resp: 29967
Ion Ratio Lower Upper
104 100
78 68.0 43.6 65.4#
103 65.3 43.6 65.4

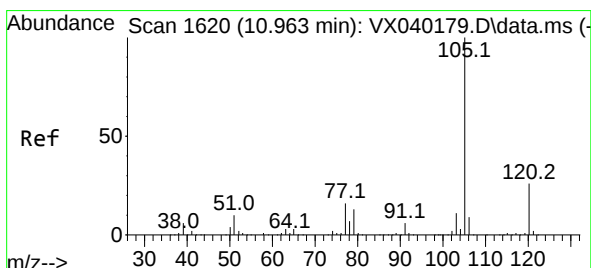
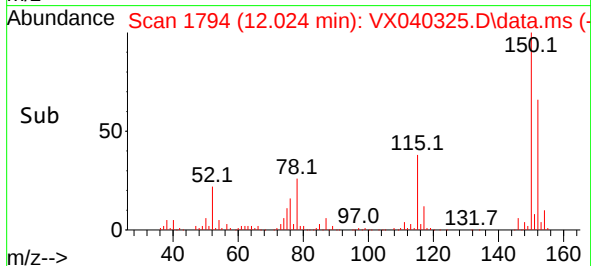
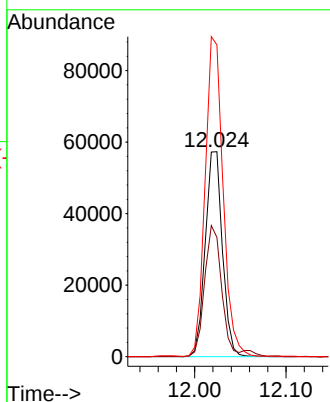
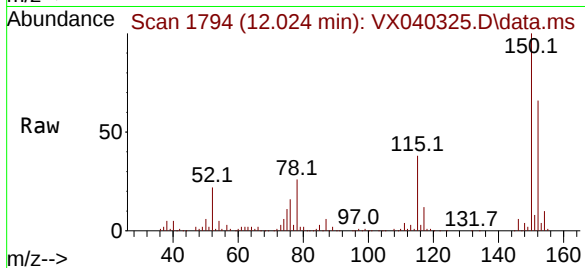




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040325.D
 Acq: 19 Feb 2024 13:07

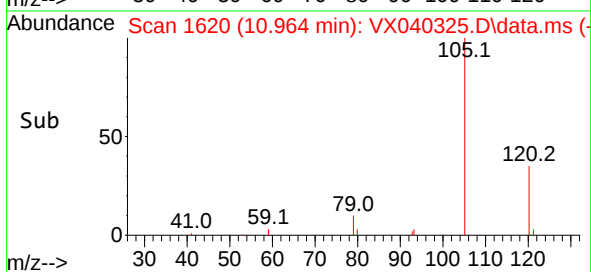
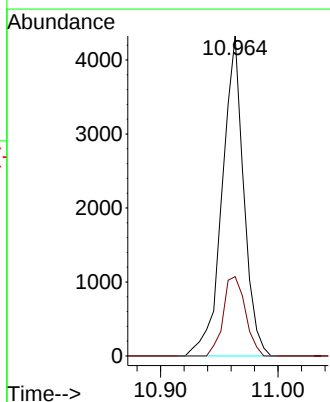
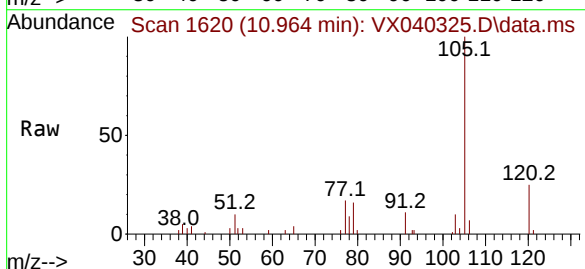
Instrument :
 MSVOA_X
 ClientSampleId :
 B-2(4-6)

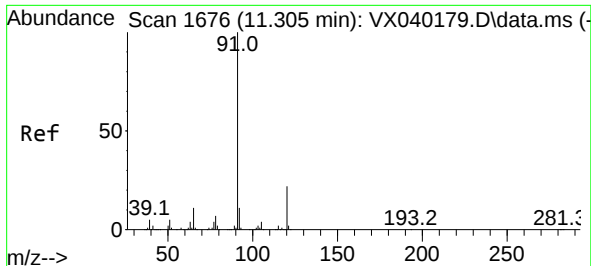
Tgt Ion:152 Resp: 74642
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.3 129.9
 150 162.1 0.0 345.0



#73
 Isopropylbenzene
 Concen: 1.047 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX040325.D
 Acq: 19 Feb 2024 13:07

Tgt Ion:105 Resp: 5505
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.9 38.6

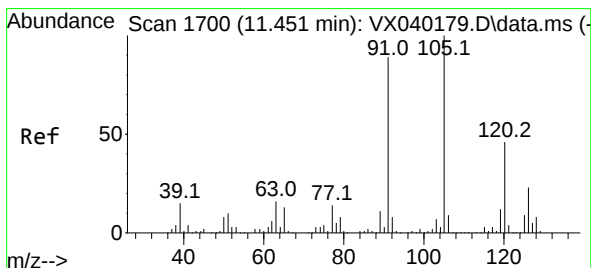
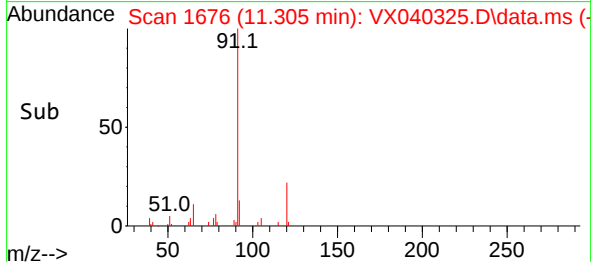
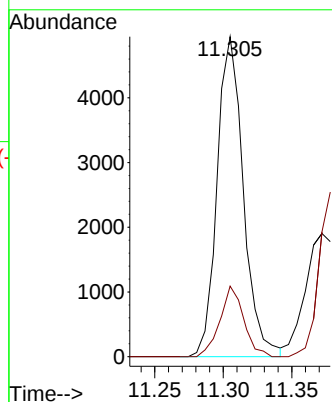
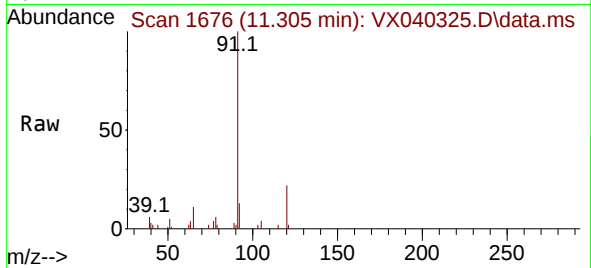




#78
n-propylbenzene
Concen: 1.035 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

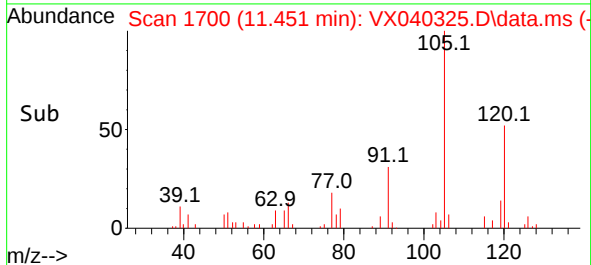
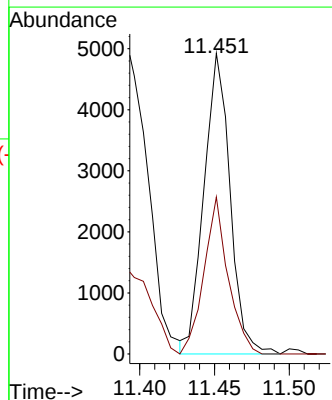
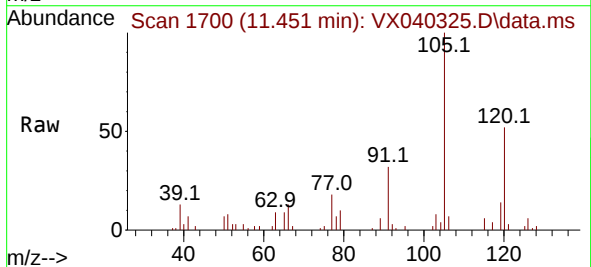
Instrument :
MSVOA_X
ClientSampleId :
B-2(4-6)

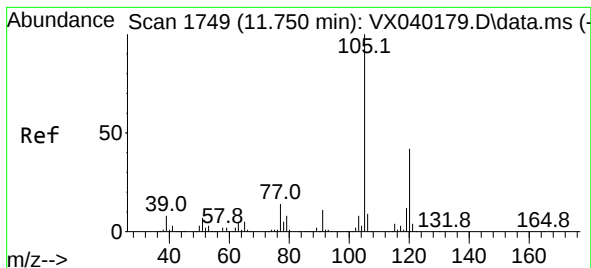
Tgt Ion: 91 Resp: 6585
Ion Ratio Lower Upper
91 100
120 20.0 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.349 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040325.D
Acq: 19 Feb 2024 13:07

Tgt Ion: 105 Resp: 5969
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 2.916 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

Instrument :

MSVOA_X

ClientSampleId :

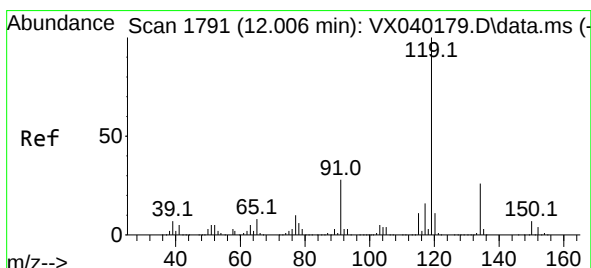
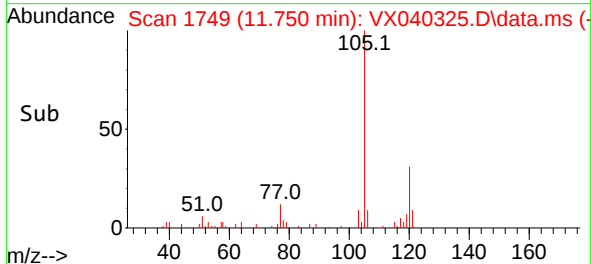
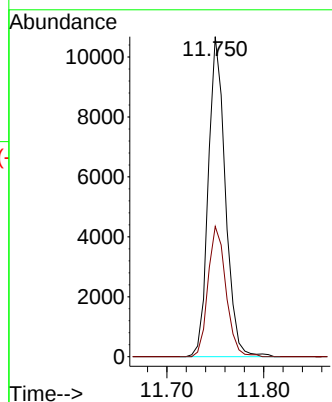
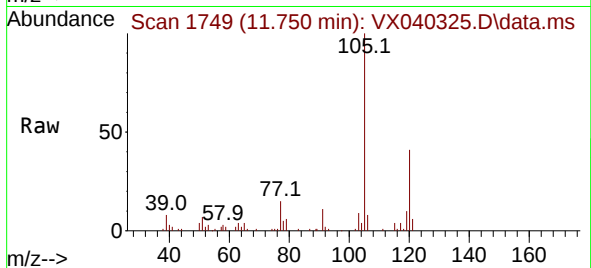
B-2(4-6)

Tgt Ion:105 Resp: 13056

Ion Ratio Lower Upper

105 100

120 42.7 21.2 63.6



#86

p-Isopropyltoluene

Concen: 1.217 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

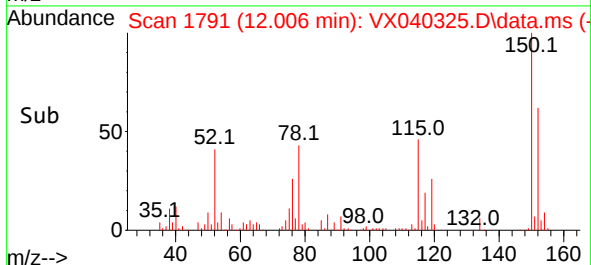
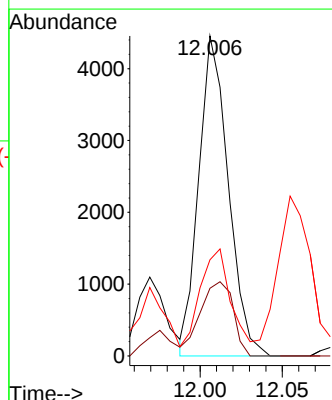
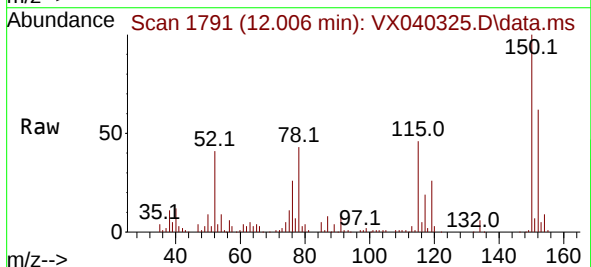
Tgt Ion:119 Resp: 5562

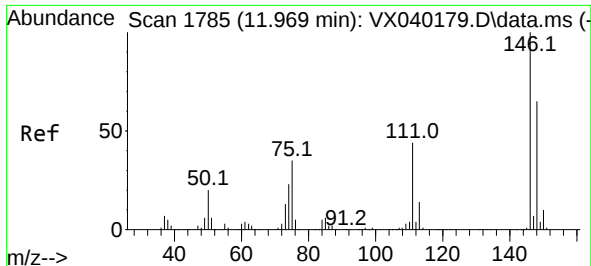
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 30.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 1.138 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

Instrument :

MSVOA_X

ClientSampleId :

B-2(4-6)

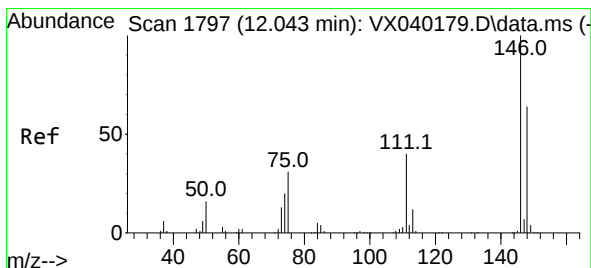
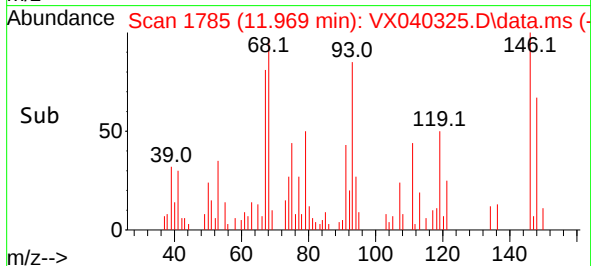
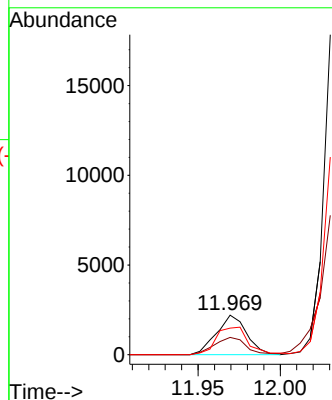
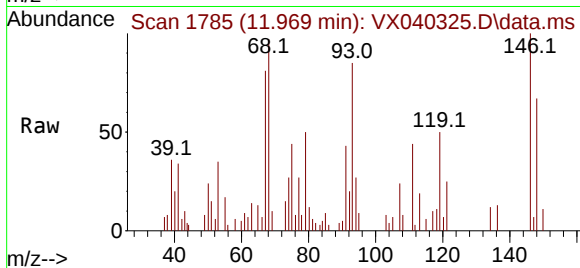
Tgt Ion:146 Resp: 2799

Ion Ratio Lower Upper

146 100

111 46.7 22.1 66.1

148 75.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 17.374 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

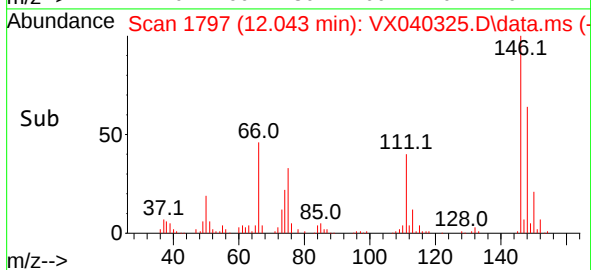
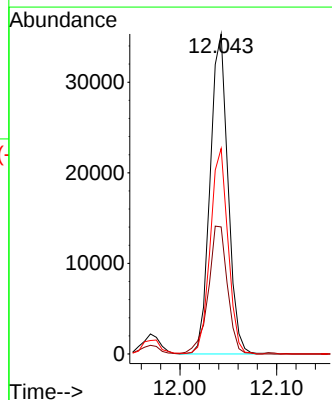
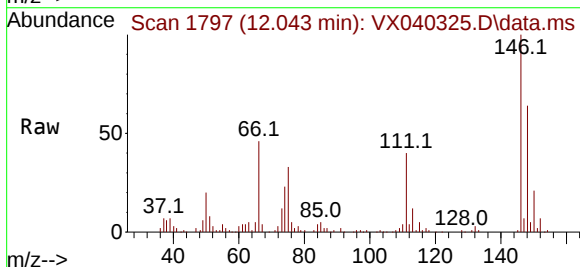
Tgt Ion:146 Resp: 45263

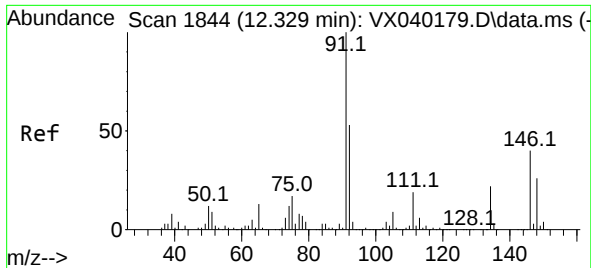
Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.7

148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 1.455 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

Instrument :

MSVOA_X

ClientSampleId :

B-2(4-6)

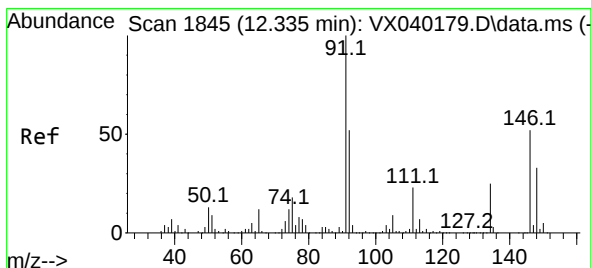
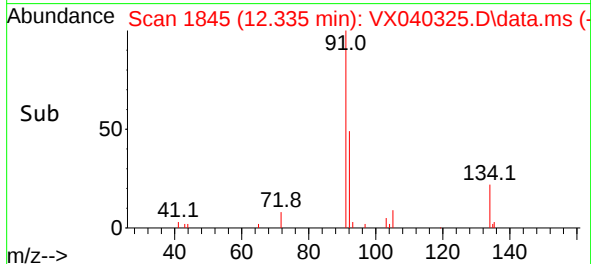
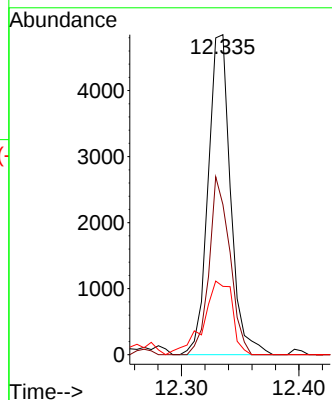
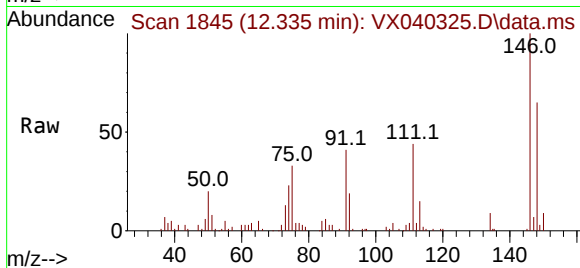
Tgt Ion: 91 Resp: 6421

Ion Ratio Lower Upper

91 100

92 51.1 27.4 82.0

134 29.6 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 5.892 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

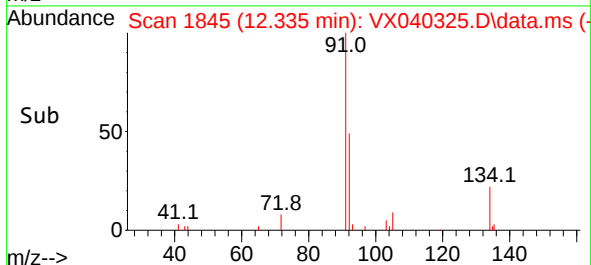
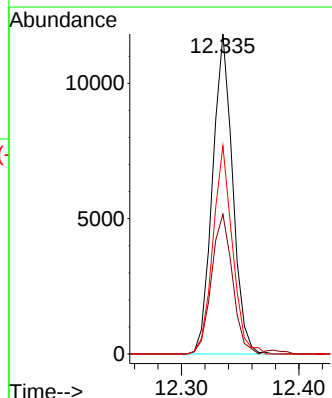
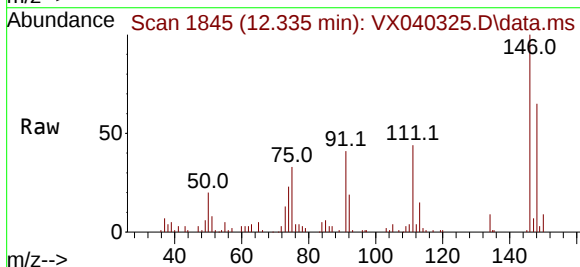
Tgt Ion: 146 Resp: 14034

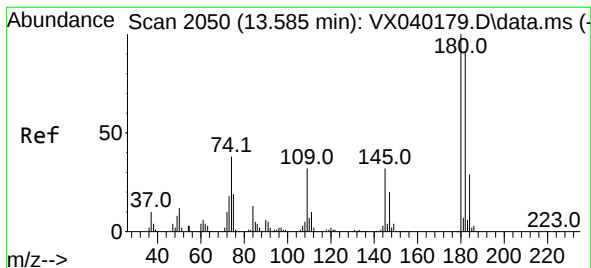
Ion Ratio Lower Upper

146 100

111 45.5 22.4 67.0

148 63.3 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 1.336 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

Instrument :

MSVOA_X

ClientSampleId :

B-2(4-6)

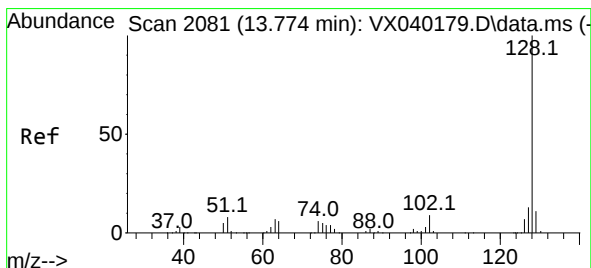
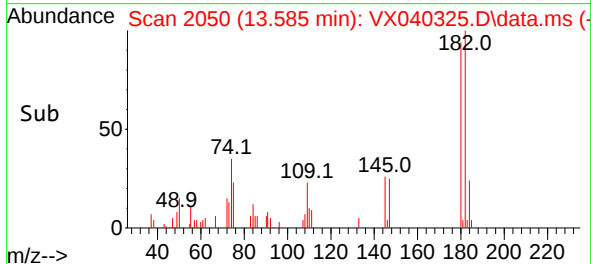
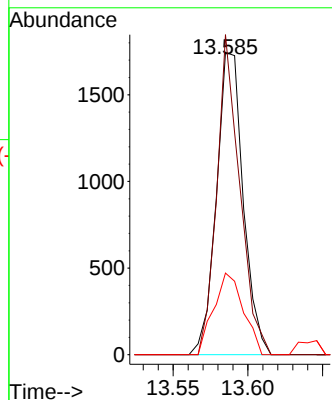
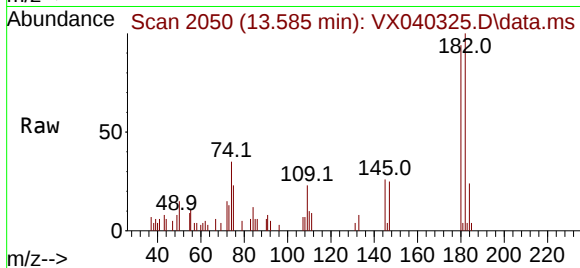
Tgt Ion:180 Resp: 2178

Ion Ratio Lower Upper

180 100

182 90.4 48.3 144.8

145 29.8 18.0 54.0



#95

Naphthalene

Concen: 11.653 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX040325.D

Acq: 19 Feb 2024 13:07

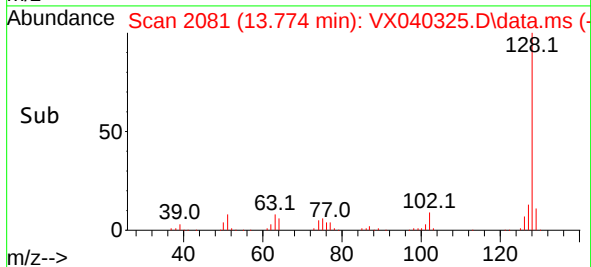
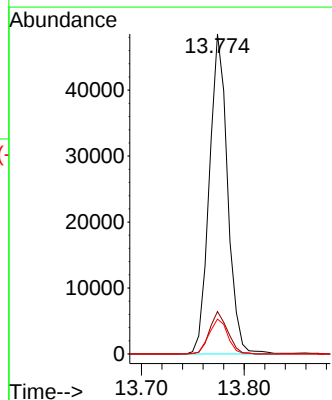
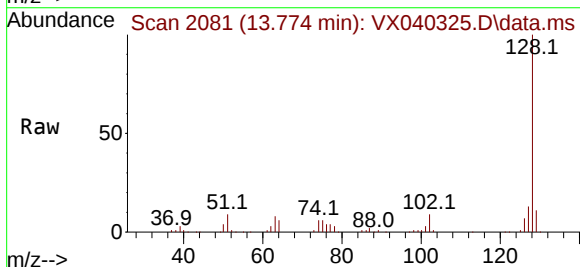
Tgt Ion:128 Resp: 60012

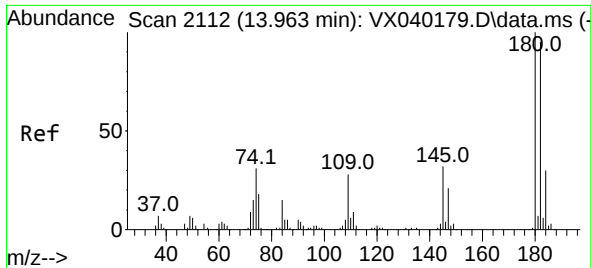
Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.166 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX040325.D
 Acq: 19 Feb 2024 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 B-2(4-6)

Tgt Ion:180 Resp: 1813
 Ion Ratio Lower Upper
 180 100
 182 92.3 46.9 140.6
 145 36.5 17.8 53.5

