

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035394.D
 Acq On : 28 Apr 2023 16:29
 Operator : JC/MD
 Sample : 02386-14 10X
 Misc : 3.62g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-4WC-23-04

Quant Time: Apr 29 00:40:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

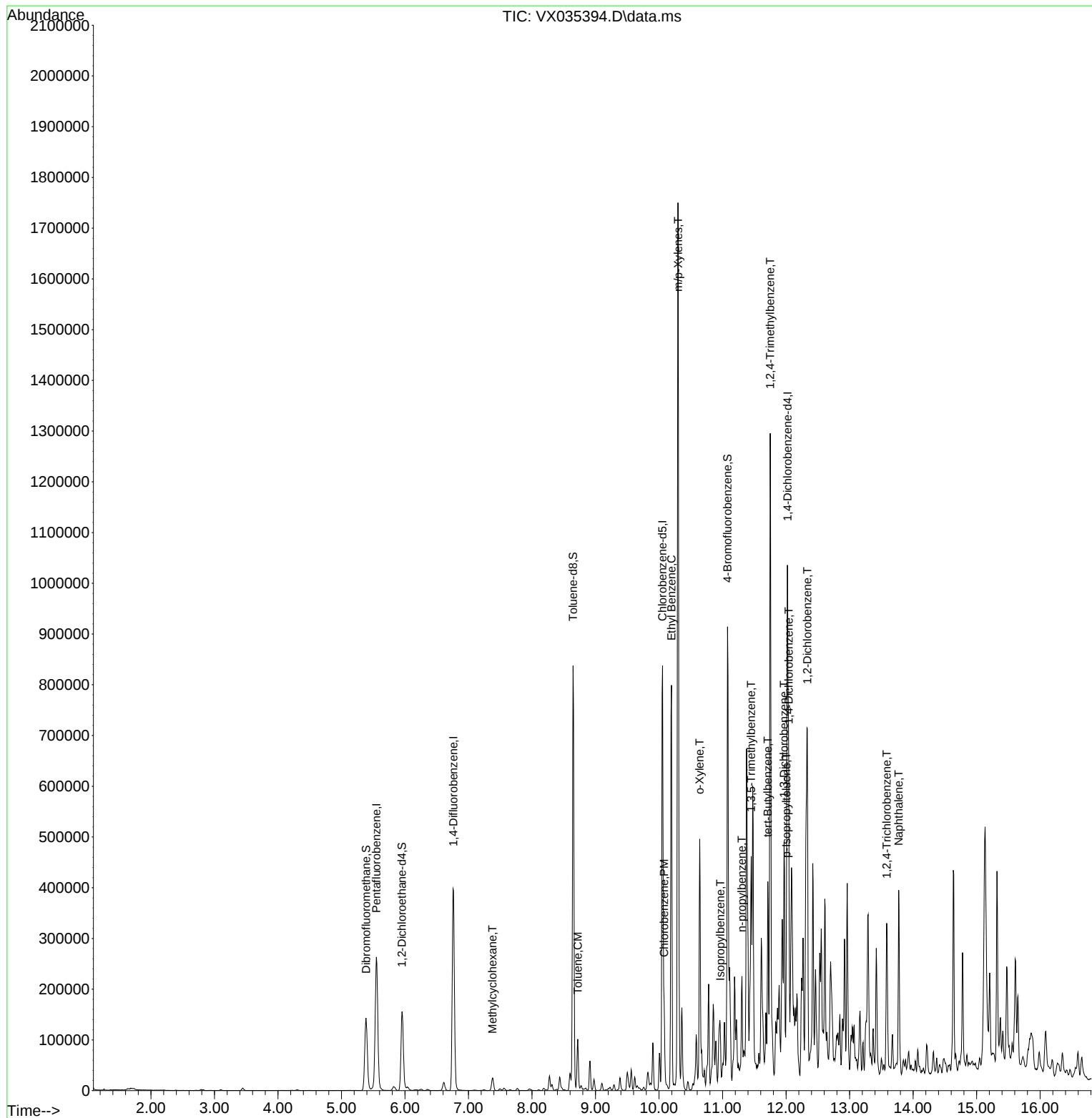
Internal Standards						
1) Pentafluorobenzene	5.550	168	257938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	152789	49.099	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.200%		
35) Dibromofluoromethane	5.385	113	127283	48.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	8.647	98	503402	51.370	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.740%		
62) 4-Bromofluorobenzene	11.079	95	194054	52.640	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds						
						Qvalue
39) Methylcyclohexane	7.379	83	11098	2.248	ug/l	99
52) Toluene	8.720	92	39401	5.342	ug/l	97
65) Chlorobenzene	10.079	112	70970	8.361	ug/l	98
67) Ethyl Benzene	10.195	91	461582	31.401	ug/l	100
68) m/p-Xylenes	10.299	106	392664	69.712	ug/l	99
69) o-Xylene	10.640	106	101061	18.297	ug/l	100
73) Isopropylbenzene	10.964	105	56039	3.925	ug/l	99
78) n-propylbenzene	11.305	91	110613	6.746	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	163190	13.557	ug/l	98
83) tert-Butylbenzene	11.713	119	17313	1.433	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	501205	41.440	ug/l	98
86) p-Isopropyltoluene	12.006	119	86361	6.854	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	31599	4.686	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	131653	18.619	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	172134	25.520	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	49716	11.726	ug/l	96
95) Naphthalene	13.774	128	229184	17.559	ug/l	99

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

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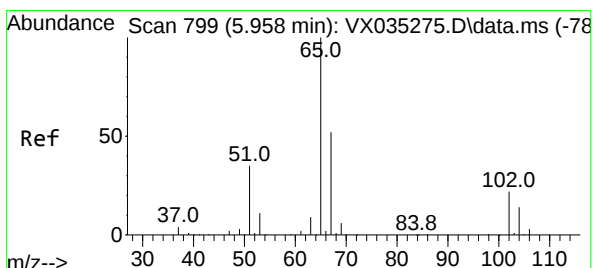
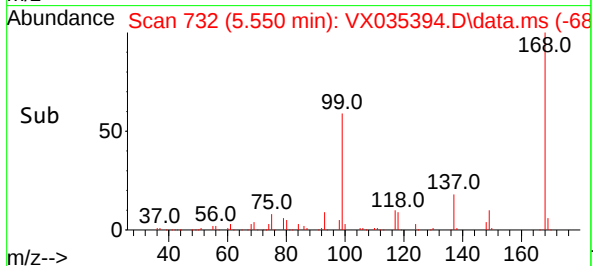
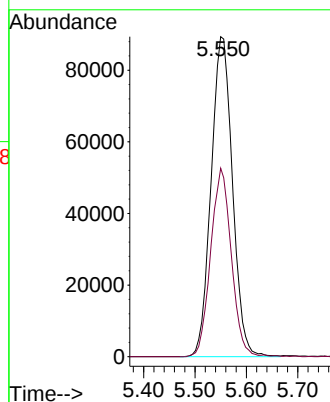
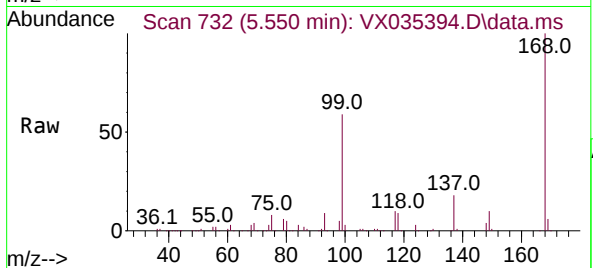




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

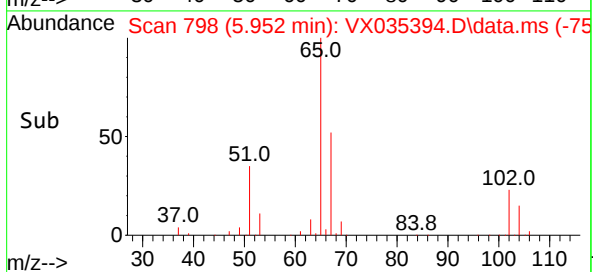
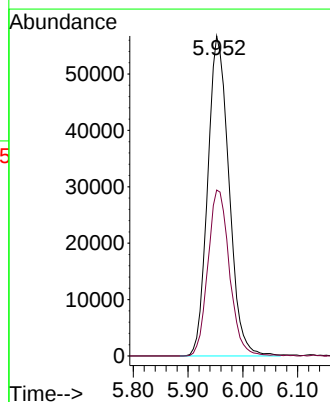
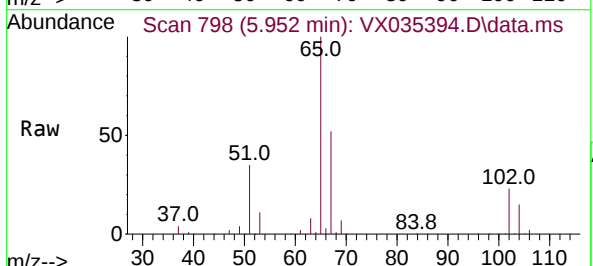
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

Tgt Ion:168 Resp: 257938
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#33
1,2-Dichloroethane-d4
Concen: 49.099 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion: 65 Resp: 152789
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

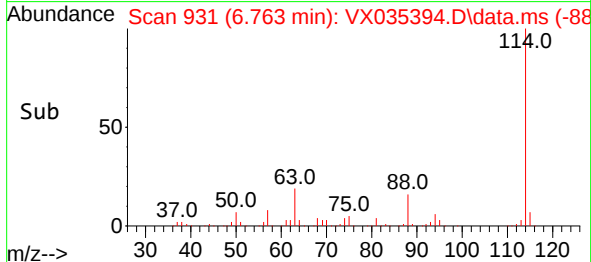
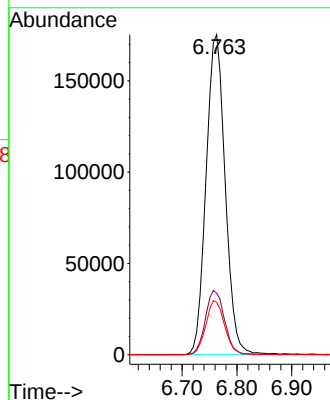
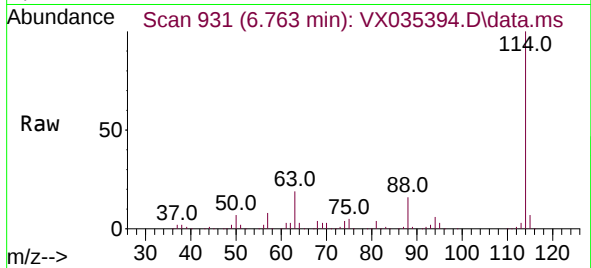




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

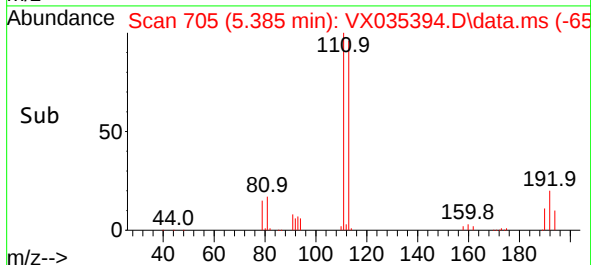
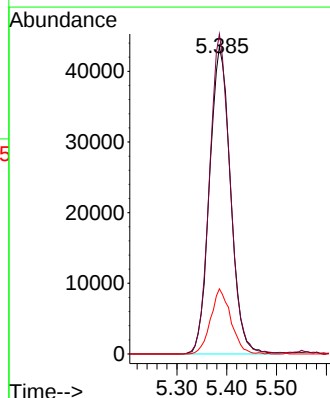
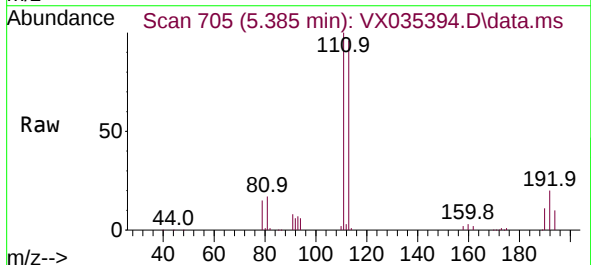
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

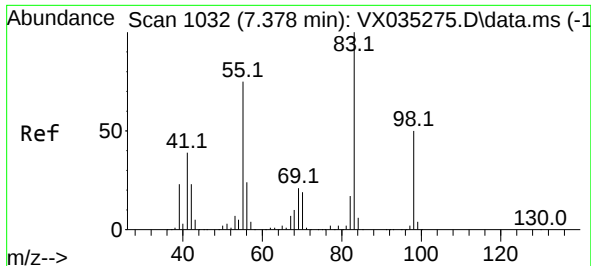
Tgt Ion:114 Resp: 423244
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.997 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion:113 Resp: 127283
Ion Ratio Lower Upper
113 100
111 102.1 83.7 125.5
192 20.4 15.4 23.2





#39

Methylcyclohexane

Concen: 2.248 ug/l

RT: 7.379 min Scan# 11098

Delta R.T. 0.001 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04

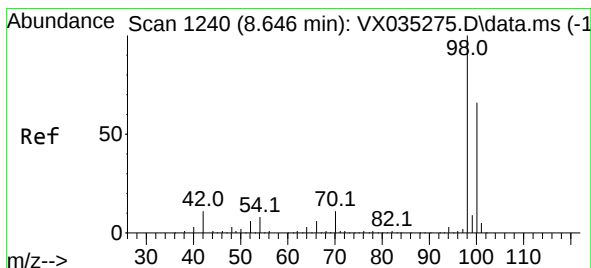
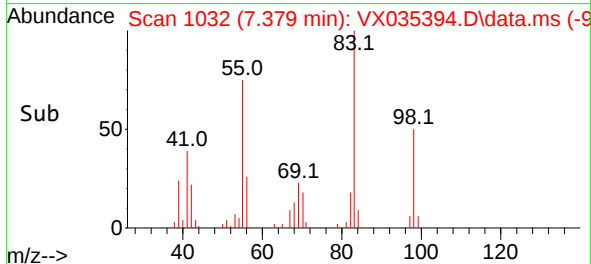
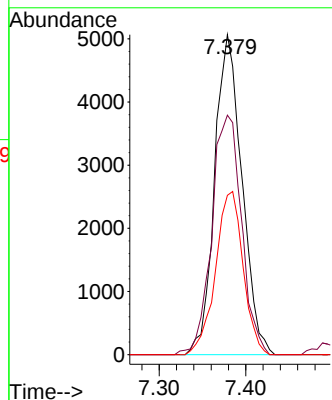
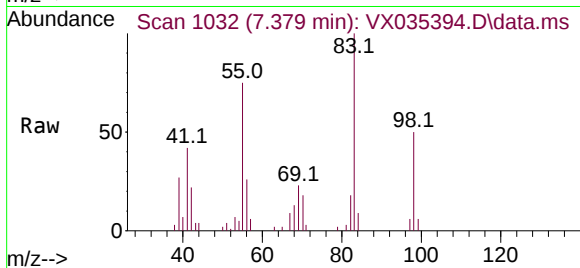
Tgt Ion: 83 Resp: 11098

Ion Ratio Lower Upper

83 100

55 74.9 60.5 90.7

98 49.8 40.4 60.6



#50

Toluene-d8

Concen: 51.370 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035394.D

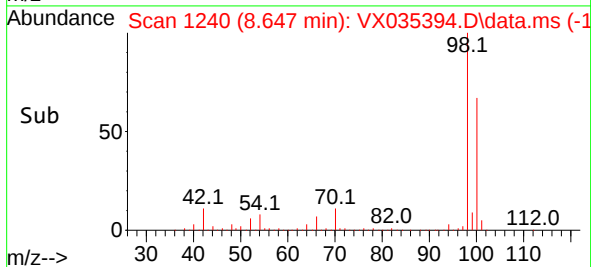
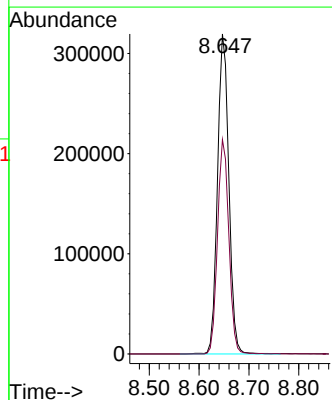
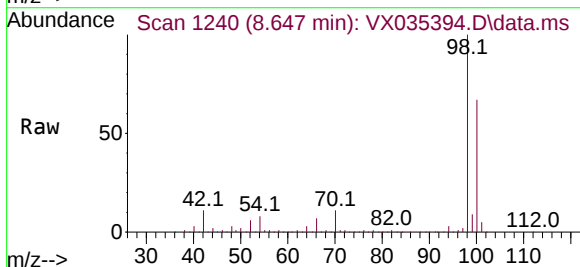
Acq: 28 Apr 2023 16:29

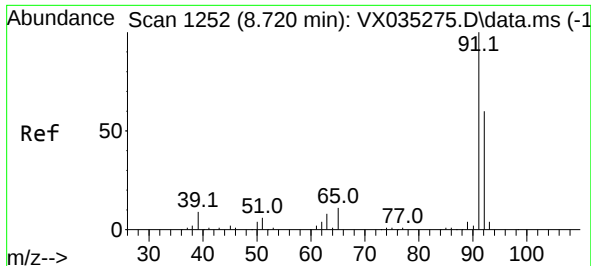
Tgt Ion: 98 Resp: 503402

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7

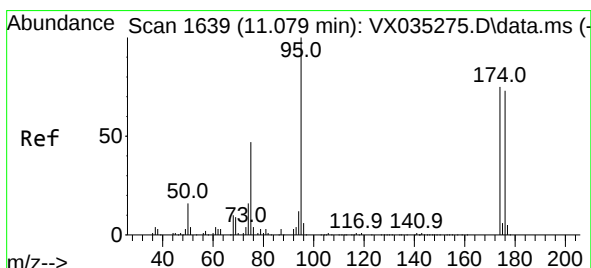
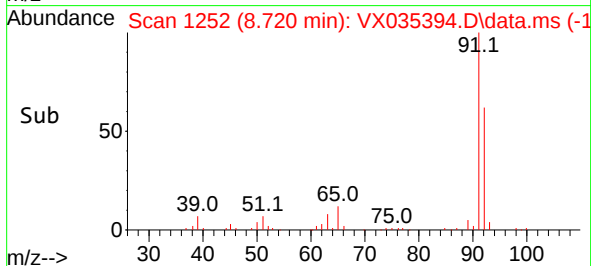
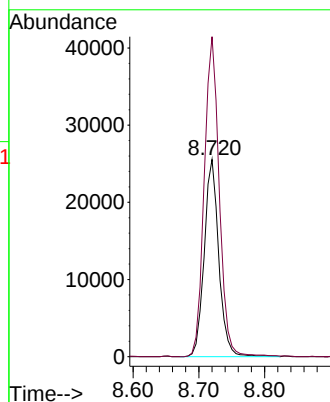
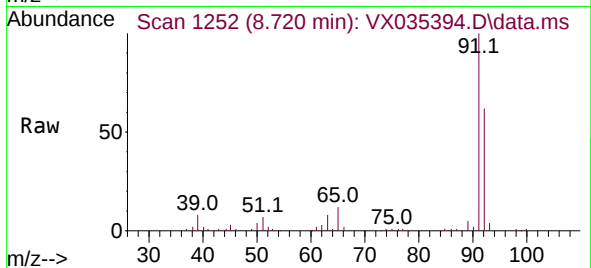




#52
Toluene
Concen: 5.342 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

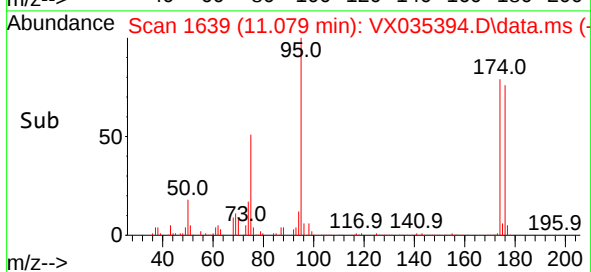
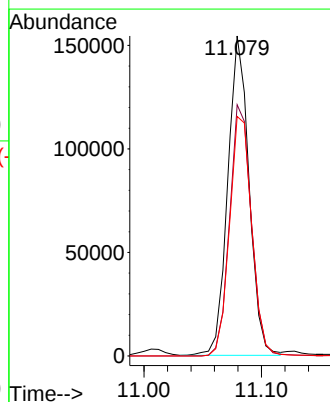
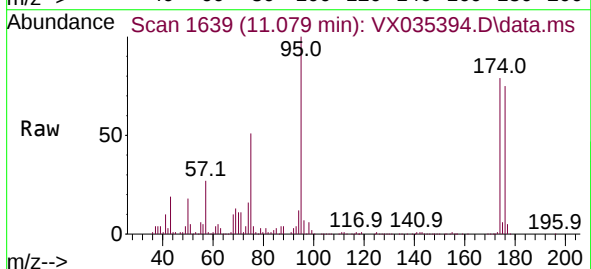
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

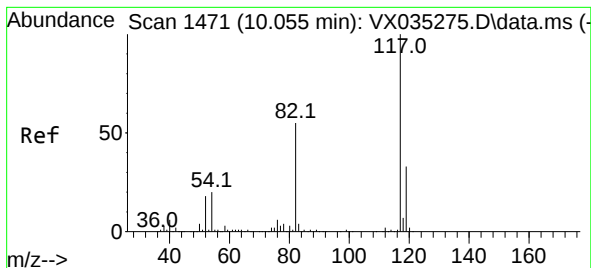
Tgt Ion: 92 Resp: 39401
Ion Ratio Lower Upper
92 100
91 167.2 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 52.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion: 95 Resp: 194054
Ion Ratio Lower Upper
95 100
174 80.5 0.0 147.4
176 78.5 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04

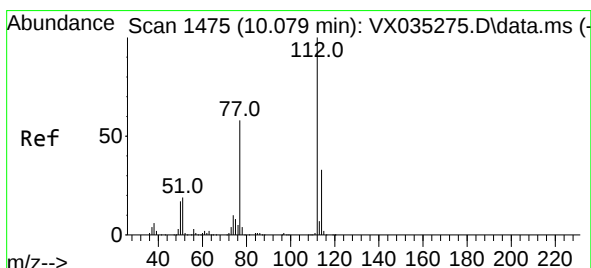
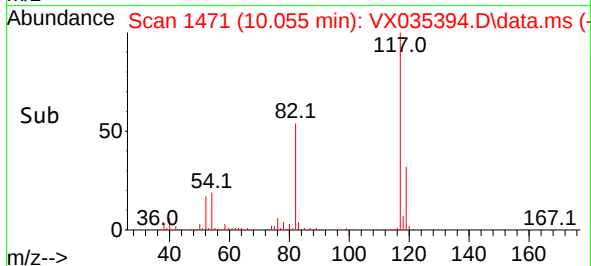
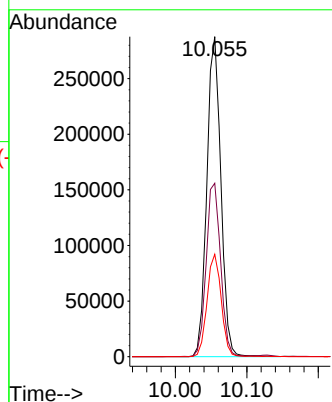
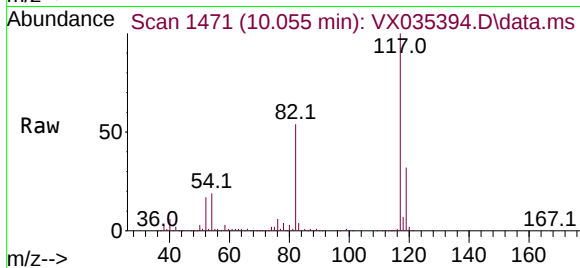
Tgt Ion:117 Resp: 392331

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

119 32.0 26.0 39.0



#65

Chlorobenzene

Concen: 8.361 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX035394.D

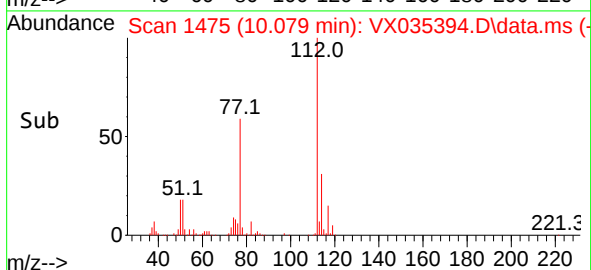
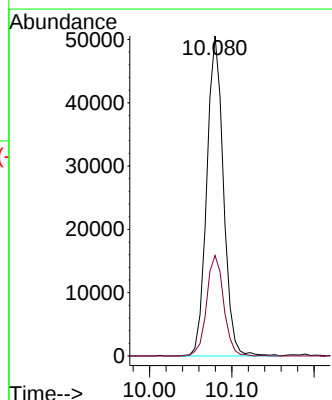
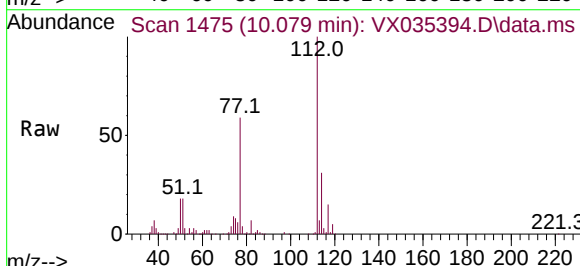
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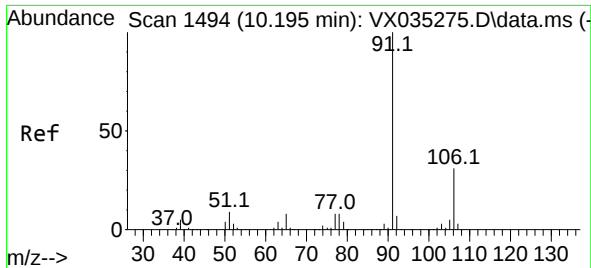
Tgt Ion:112 Resp: 70970

Ion Ratio Lower Upper

112 100

114 31.4 26.2 39.2

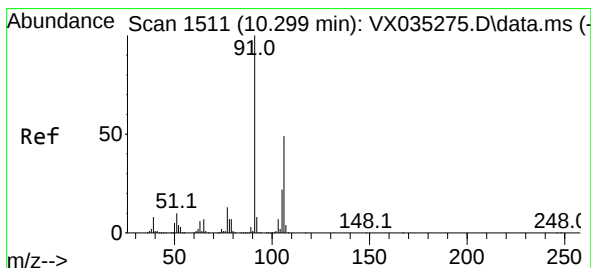
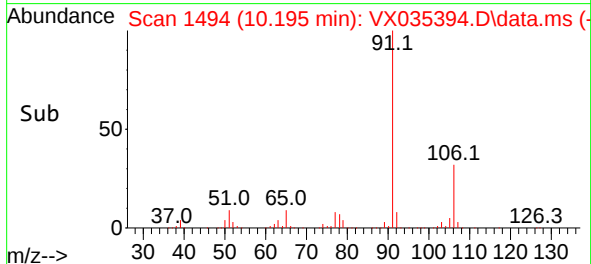
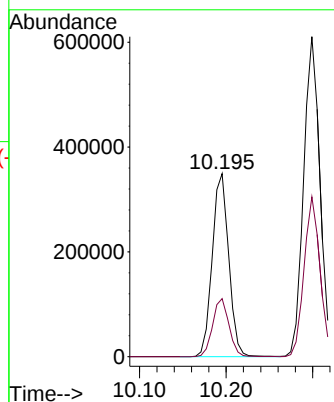
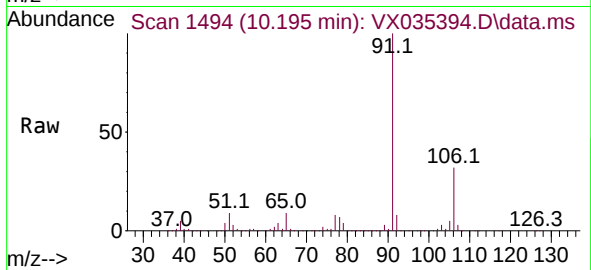




#67
Ethyl Benzene
Concen: 31.401 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

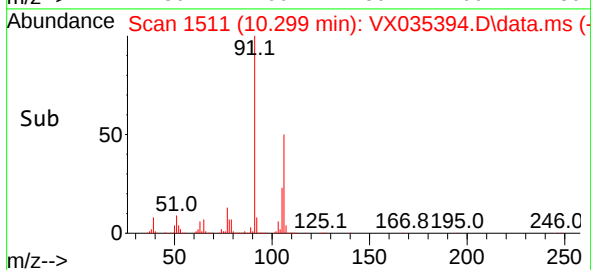
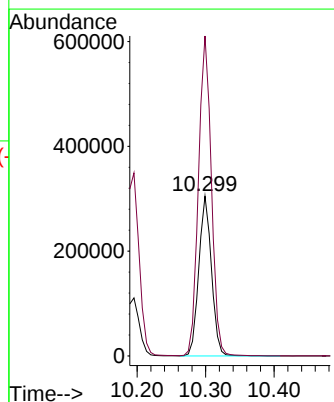
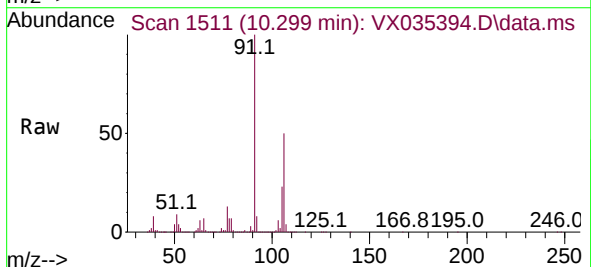
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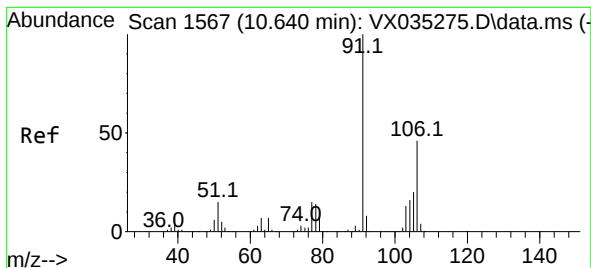
Tgt Ion: 91 Resp: 461582
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4



#68
m/p-Xylenes
Concen: 69.712 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion: 106 Resp: 392664
Ion Ratio Lower Upper
106 100
91 204.0 164.0 246.0

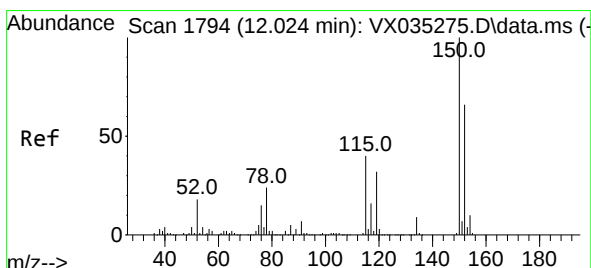
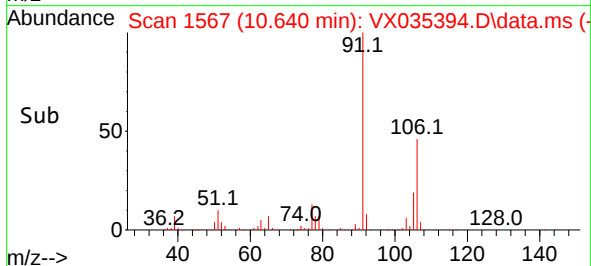
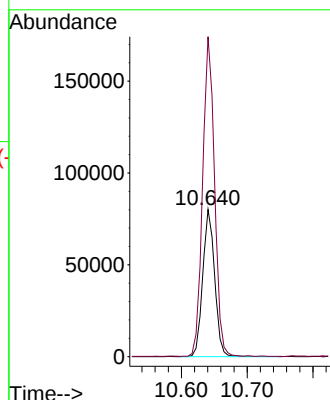
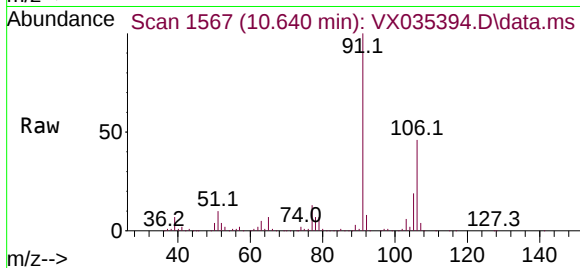




#69
o-Xylene
Concen: 18.297 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

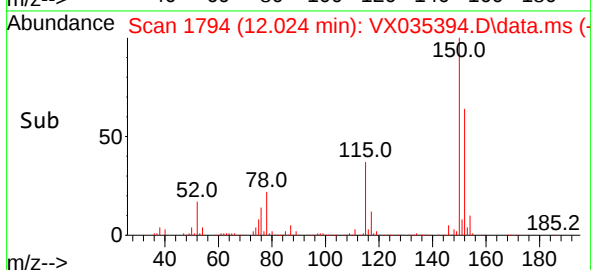
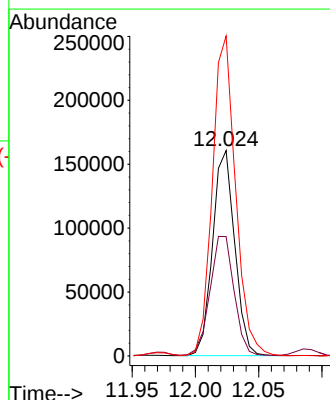
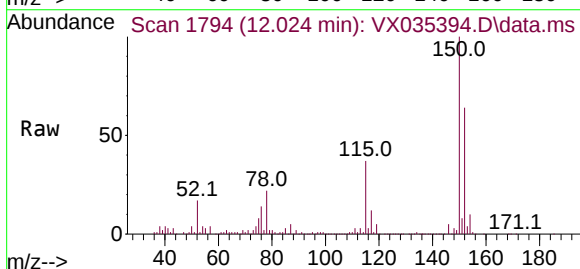
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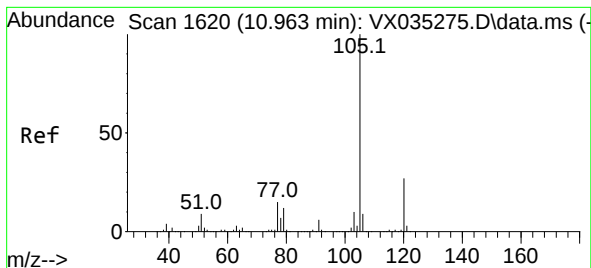
Tgt Ion:106 Resp: 101061
Ion Ratio Lower Upper
106 100
91 216.8 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion:152 Resp: 195296
Ion Ratio Lower Upper
152 100
115 63.6 45.0 135.0
150 162.8 0.0 352.4





#73

Isopropylbenzene

Concen: 3.925 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

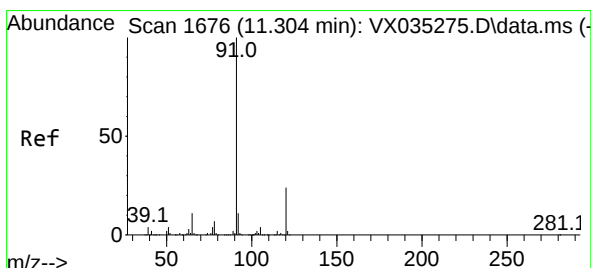
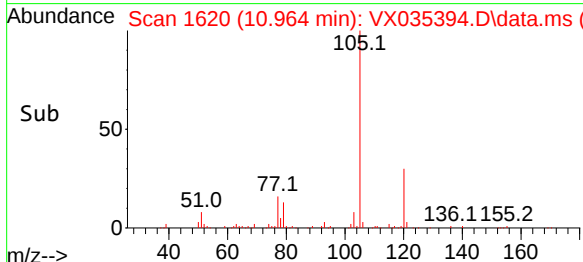
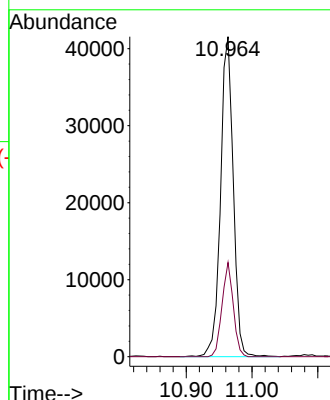
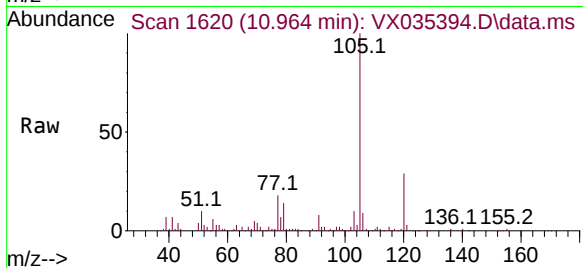
SPA-4WC-23-04

Tgt Ion:105 Resp: 56039

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9



#78

n-propylbenzene

Concen: 6.746 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035394.D

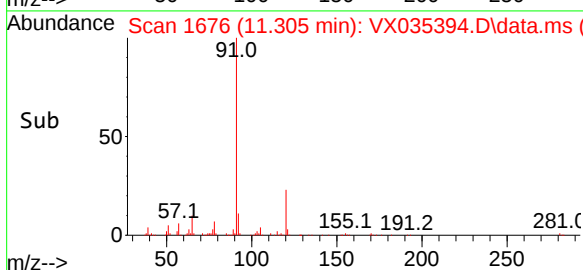
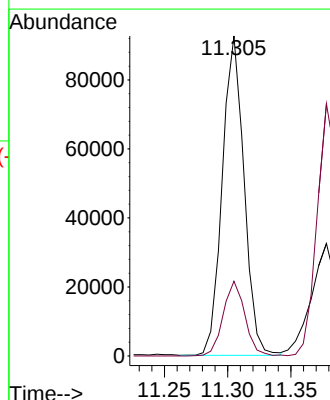
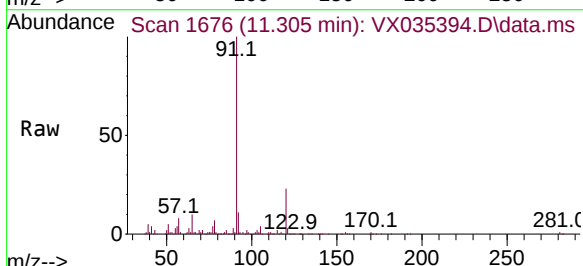
Acq: 28 Apr 2023 16:29

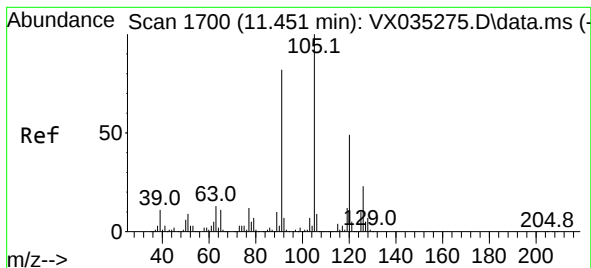
Tgt Ion: 91 Resp: 110613

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 13.557 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

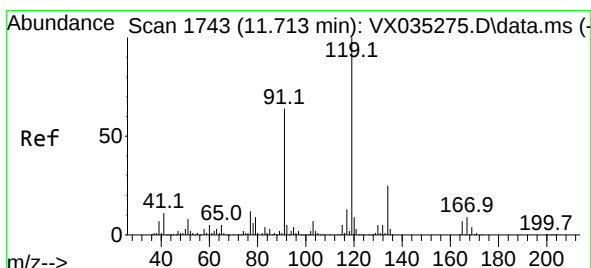
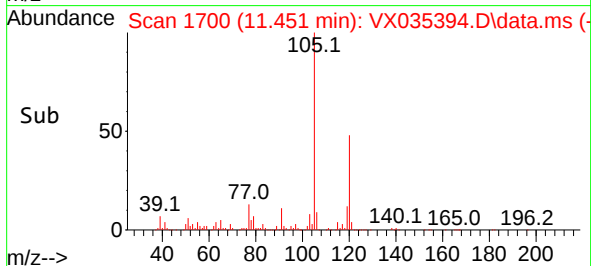
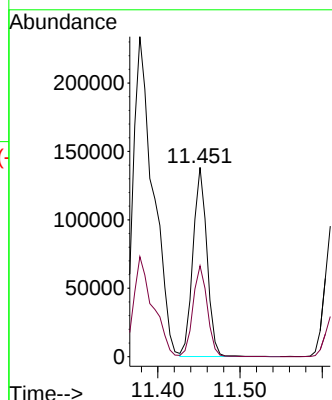
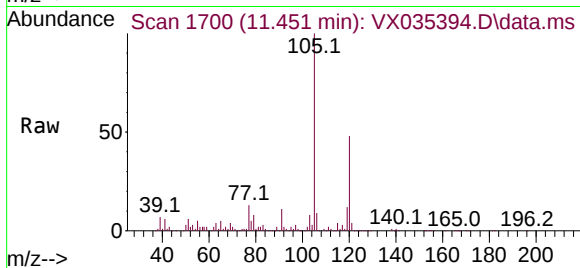
SPA-4WC-23-04

Tgt Ion:105 Resp: 163190

Ion Ratio Lower Upper

105 100

120 48.9 23.7 71.1



#83

tert-Butylbenzene

Concen: 1.433 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

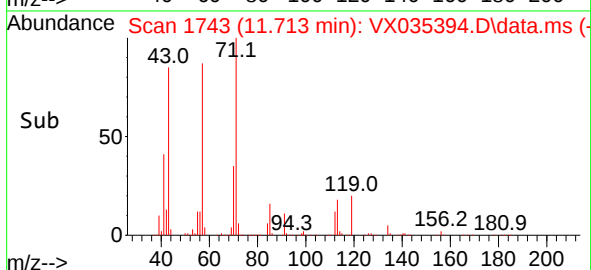
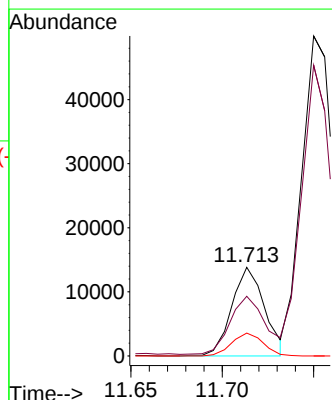
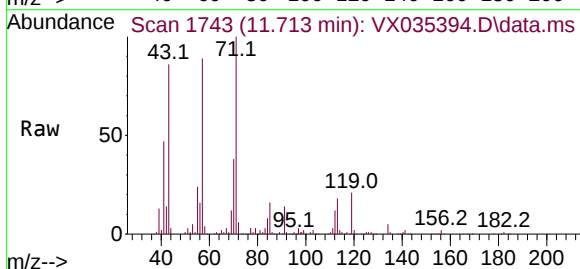
Tgt Ion:119 Resp: 17313

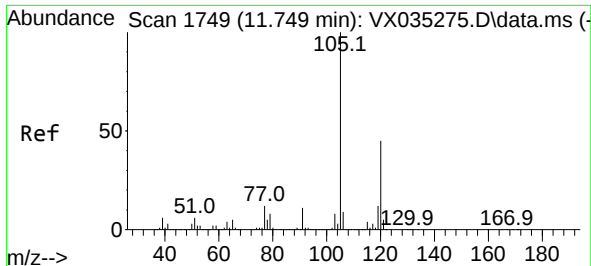
Ion Ratio Lower Upper

119 100

91 70.7 30.6 92.0

134 24.7 11.8 35.4

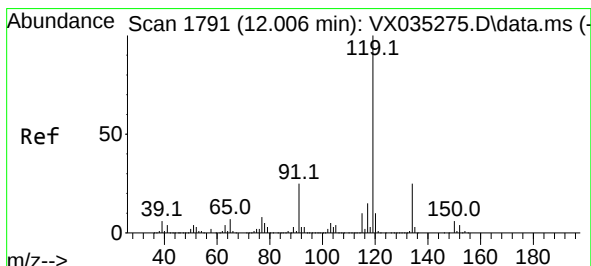
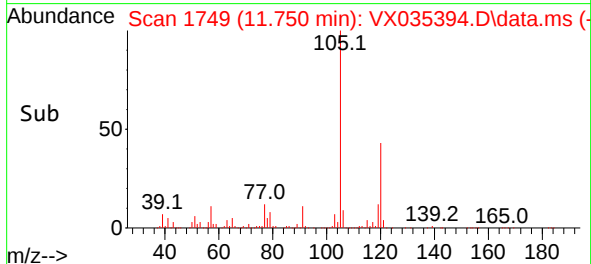
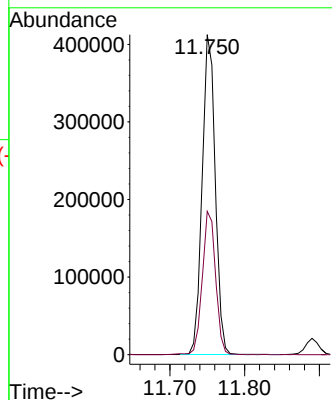
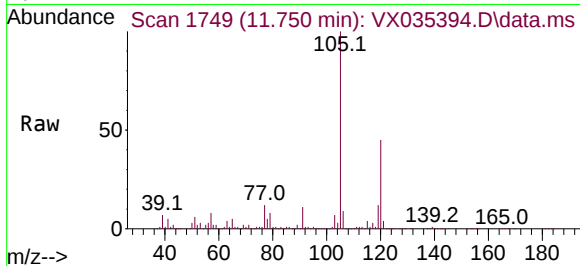




#84
1,2,4-Trimethylbenzene
Concen: 41.440 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. 0.001 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

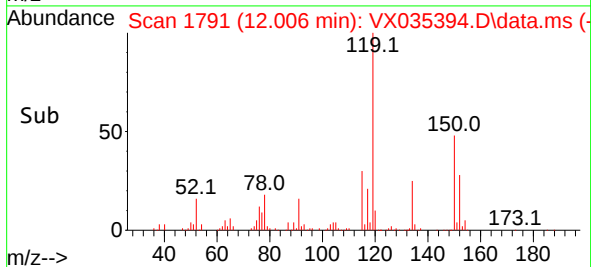
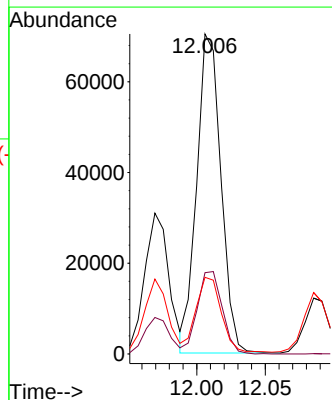
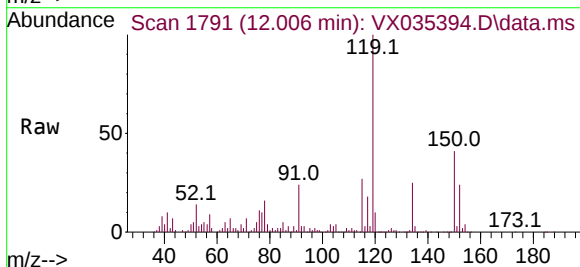
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

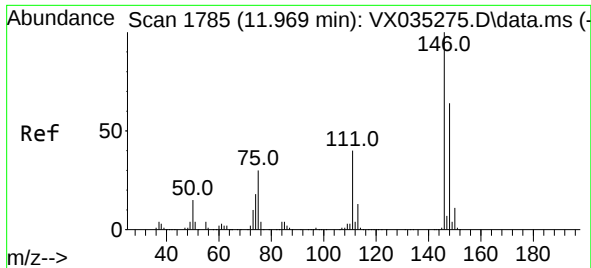
Tgt Ion:105 Resp: 501205
Ion Ratio Lower Upper
105 100
120 45.7 22.4 67.0



#86
p-Isopropyltoluene
Concen: 6.854 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion:119 Resp: 86361
Ion Ratio Lower Upper
119 100
134 26.7 13.2 39.5
91 24.4 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 4.686 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04

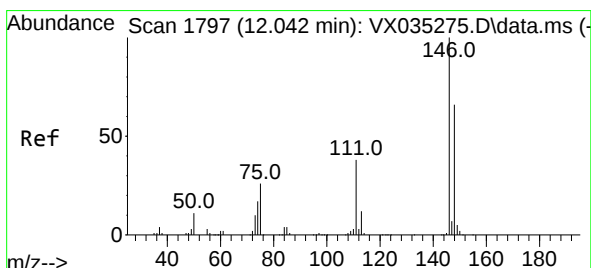
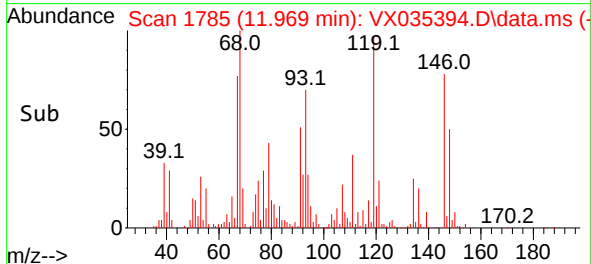
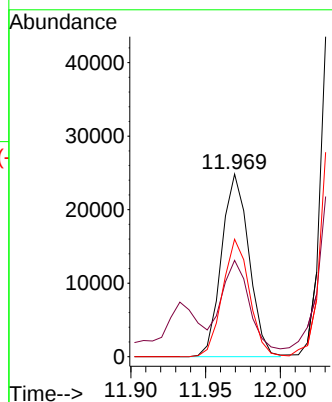
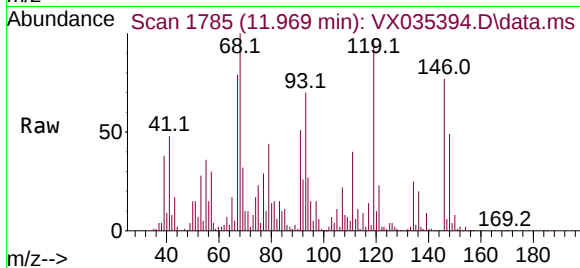
Tgt Ion:146 Resp: 31599

Ion Ratio Lower Upper

146 100

111 47.4 20.9 62.8

148 63.5 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 18.619 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.001 min

Lab File: VX035394.D

Acq: 28 Apr 2023 16:29

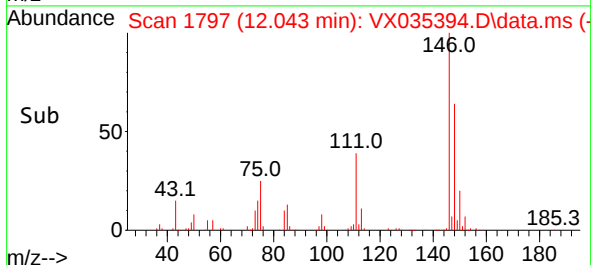
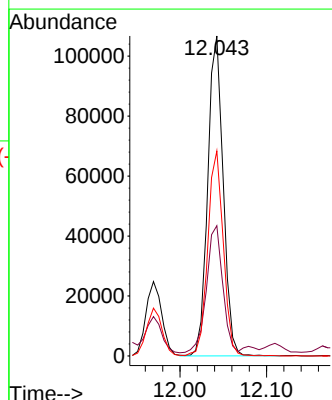
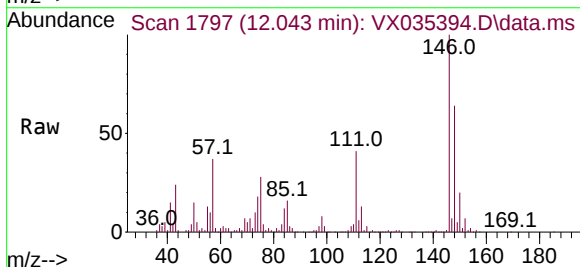
Tgt Ion:146 Resp: 131653

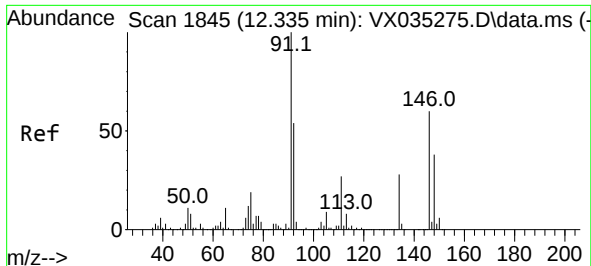
Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.9

148 64.4 31.8 95.4

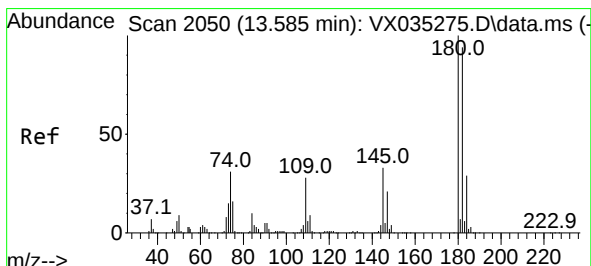
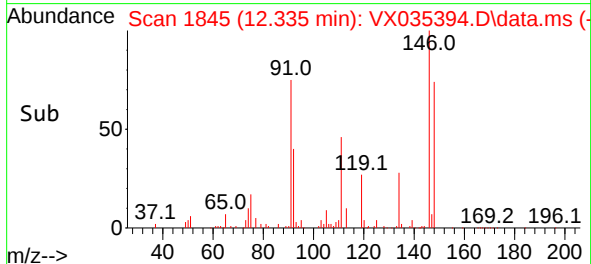
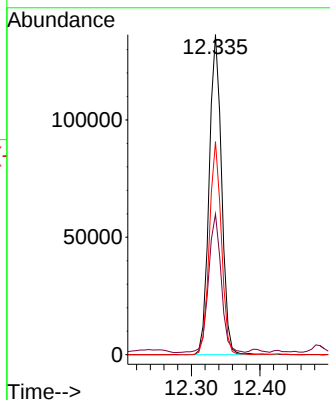
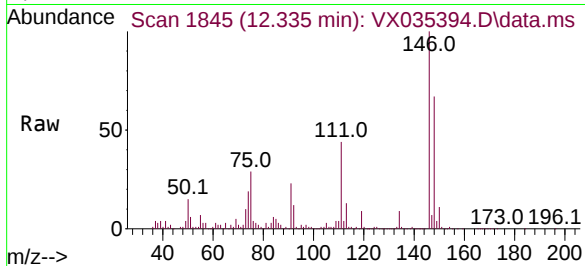




#91
1,2-Dichlorobenzene
Concen: 25.520 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

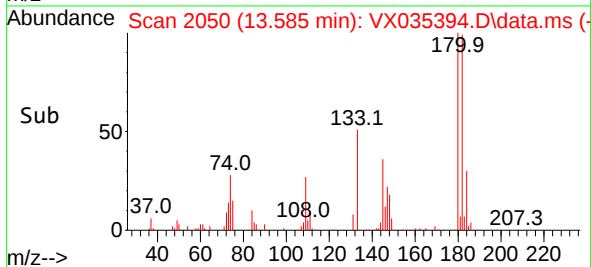
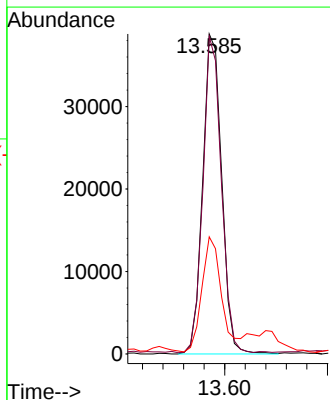
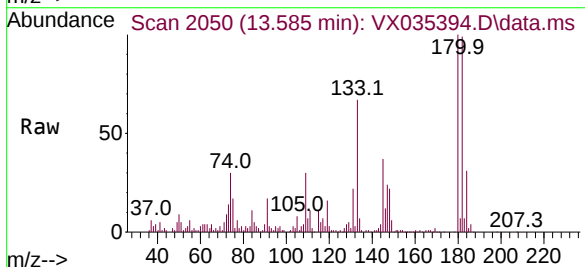
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

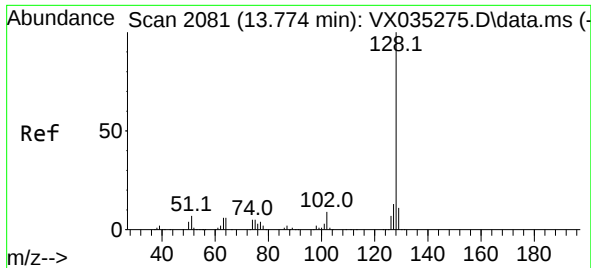
Tgt Ion:146 Resp: 172134
Ion Ratio Lower Upper
146 100
111 43.8 22.0 66.0
148 64.1 32.0 96.0



#93
1,2,4-Trichlorobenzene
Concen: 11.726 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Tgt Ion:180 Resp: 49716
Ion Ratio Lower Upper
180 100
182 95.7 47.0 141.0
145 38.5 15.9 47.7





#95
Naphthalene
Concen: 17.559 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035394.D
Acq: 28 Apr 2023 16:29

Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04

Tgt Ion:128 Resp: 229184
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.2 8.6 13.0

