

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035395.D
 Acq On : 28 Apr 2023 16:52
 Operator : JC/MD
 Sample : 02386-18 10X
 Misc : 3.75g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-5WC-23-04

Quant Time: Apr 29 00:40:34 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	243339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	398890	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143675	48.940	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.880%		
35) Dibromofluoromethane	5.385	113	117652	48.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.120%		
50) Toluene-d8	8.647	98	470842	50.981	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.960%		
62) 4-Bromofluorobenzene	11.079	95	191034	54.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.960%		
Target Compounds						Qvalue
39) Methylcyclohexane	7.379	83	10192	2.190	ug/l	93
52) Toluene	8.720	92	11050	1.590	ug/l	92
65) Chlorobenzene	10.080	112	55790	6.952	ug/l	95
67) Ethyl Benzene	10.195	91	331708	23.868	ug/l	98
68) m/p-Xylenes	10.299	106	240327	45.130	ug/l	99
69) o-Xylene	10.640	106	79090	15.146	ug/l	99
73) Isopropylbenzene	10.964	105	50659	3.735	ug/l	96
78) n-propylbenzene	11.305	91	96258	6.179	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	142856	12.490	ug/l	97
83) tert-Butylbenzene	11.713	119	18381	1.602	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	440733	38.352	ug/l	98
85) sec-Butylbenzene	11.890	105	18726	1.330	ug/l #	56
86) p-Isopropyltoluene	12.012	119	90051	7.522	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	37224	5.809	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	167919	24.994	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147866	23.072	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	22069	5.478	ug/l	92
95) Naphthalene	13.774	128	181183	14.610	ug/l	100

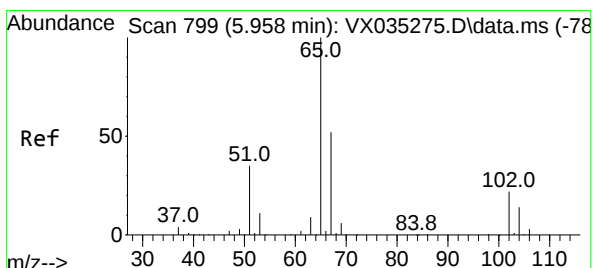
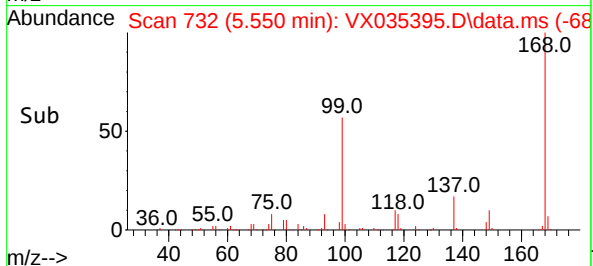
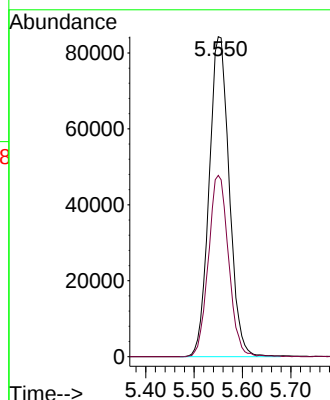
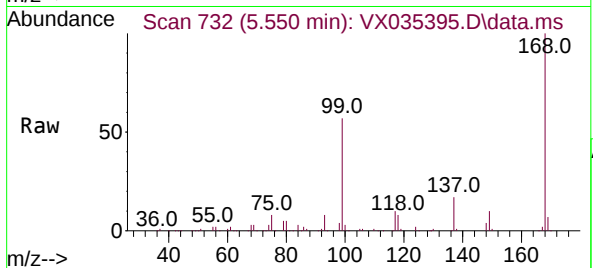
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX035395.D
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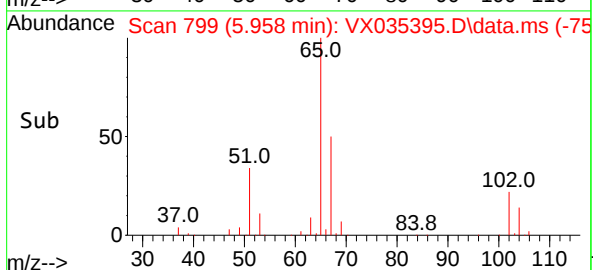
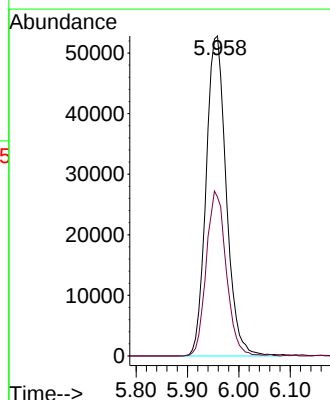
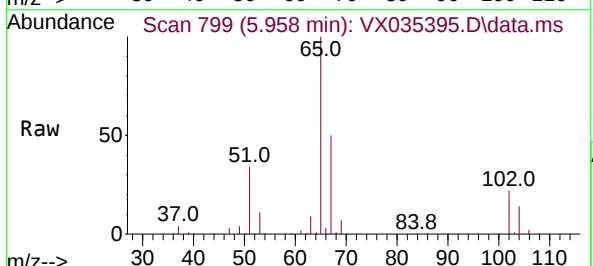
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04

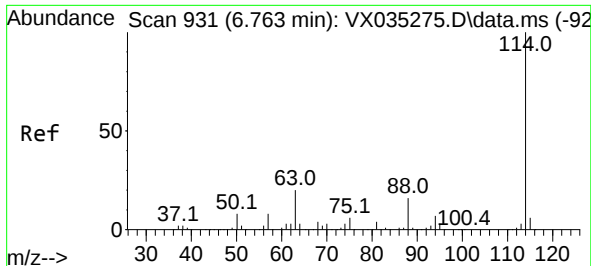
Tgt Ion:168 Resp: 243339
Ion Ratio Lower Upper
168 100
99 56.7 45.7 68.5



#33
1,2-Dichloroethane-d4
Concen: 48.940 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion: 65 Resp: 143675
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0

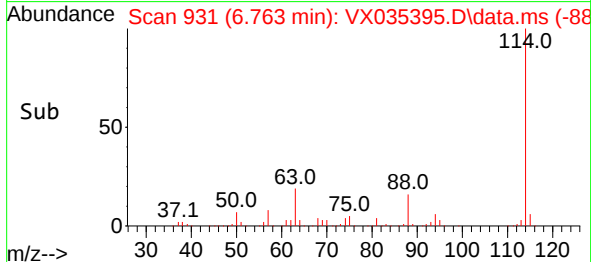
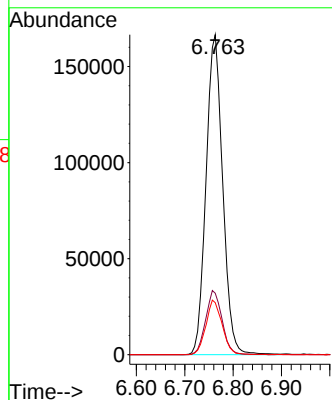
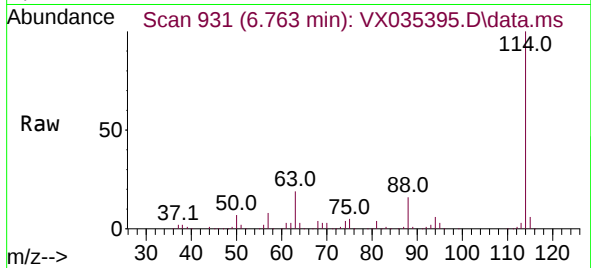




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

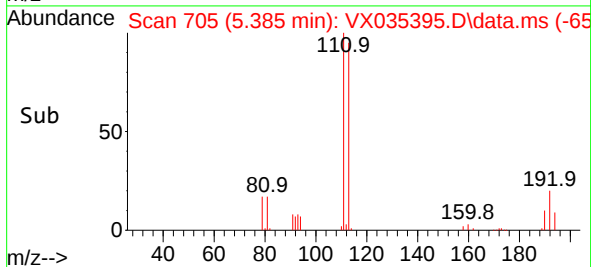
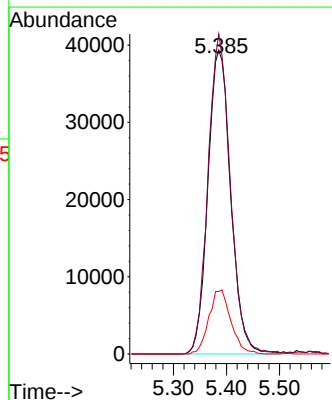
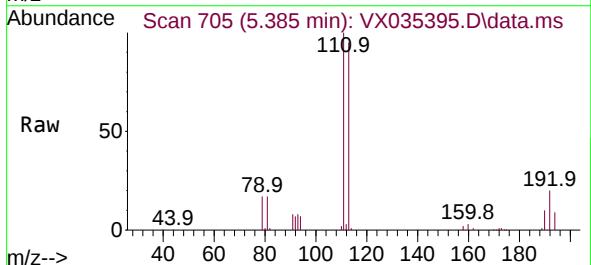
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MSVOA_X
ClientSampleId :
SPA-5WC-23-04

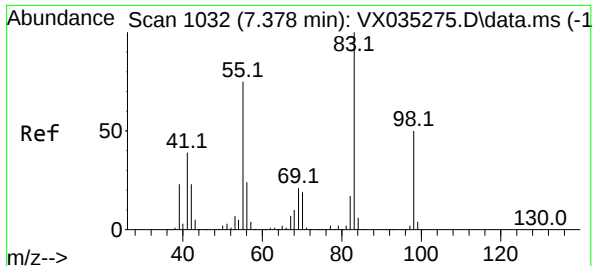
Tgt Ion:114 Resp: 398890
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.055 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion:113 Resp: 117652
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 20.4 15.4 23.2





#39

Methylcyclohexane

Concen: 2.190 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

SPA-5WC-23-04

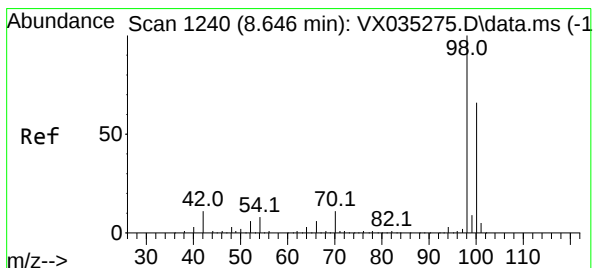
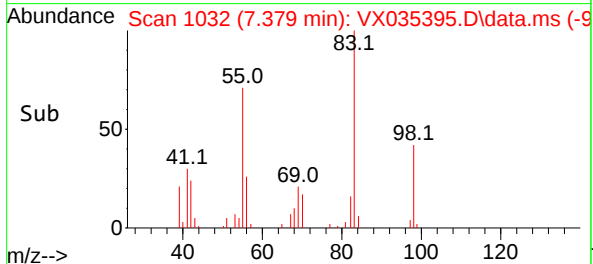
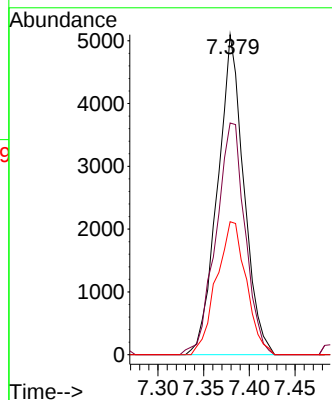
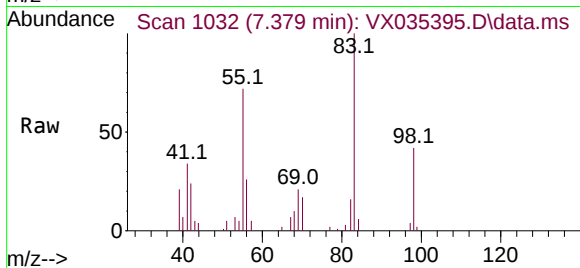
Tgt Ion: 83 Resp: 10192

Ion Ratio Lower Upper

83 100

55 72.4 60.5 90.7

98 41.5 40.4 60.6



#50

Toluene-d8

Concen: 50.981 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035395.D

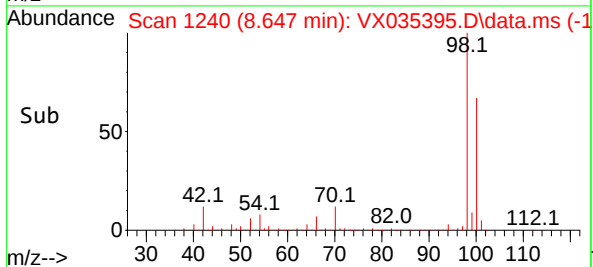
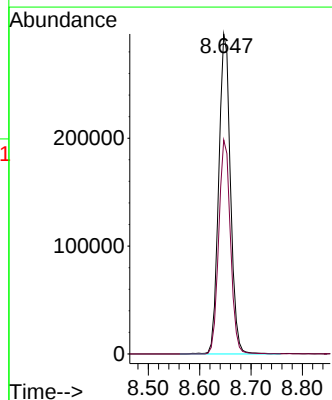
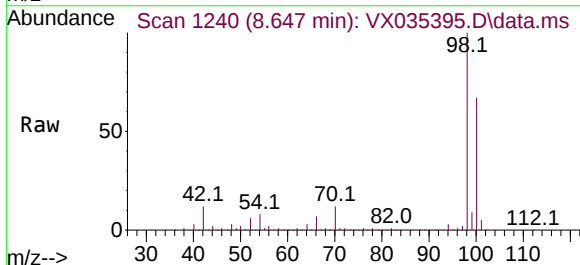
Acq: 28 Apr 2023 16:52

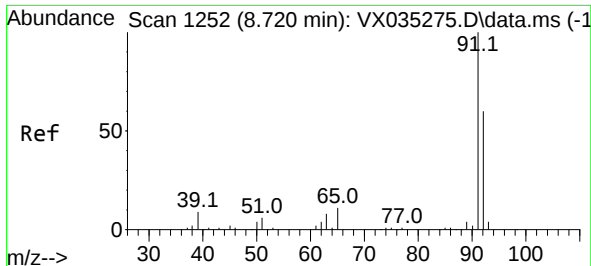
Tgt Ion: 98 Resp: 470842

Ion Ratio Lower Upper

98 100

100 66.8 52.5 78.7

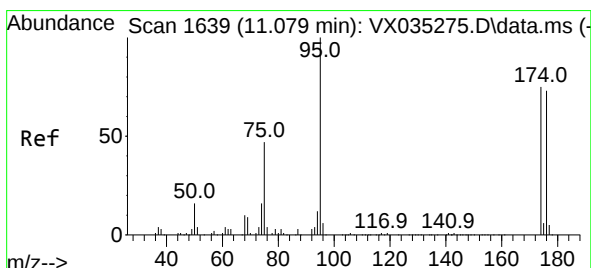
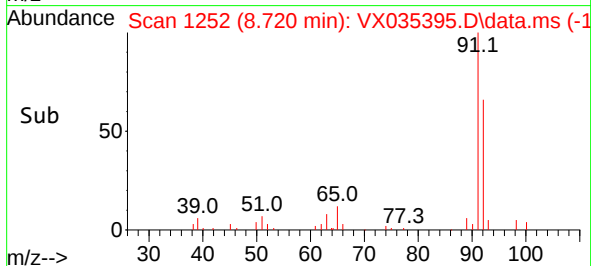
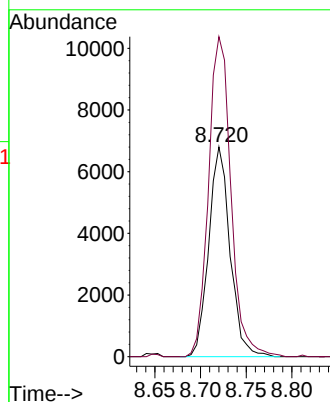
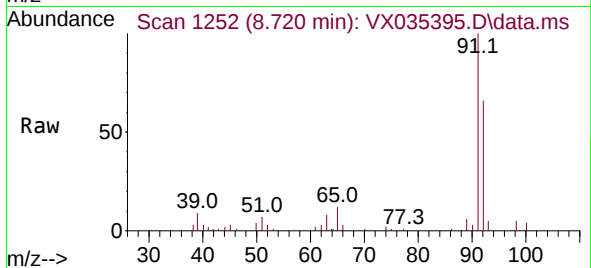




#52
Toluene
Concen: 1.590 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

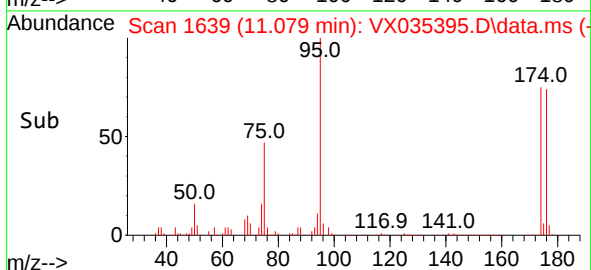
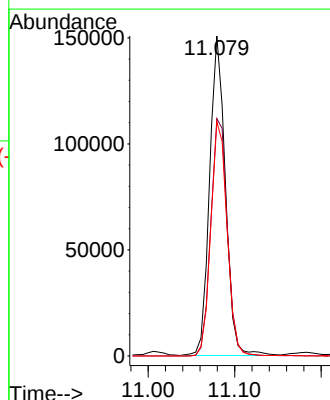
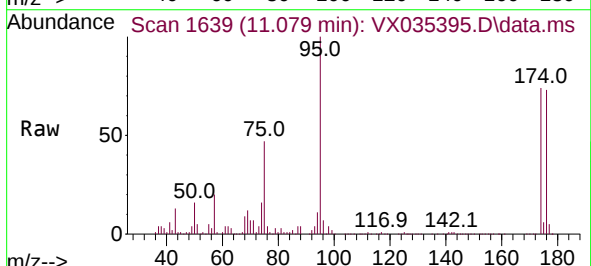
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04

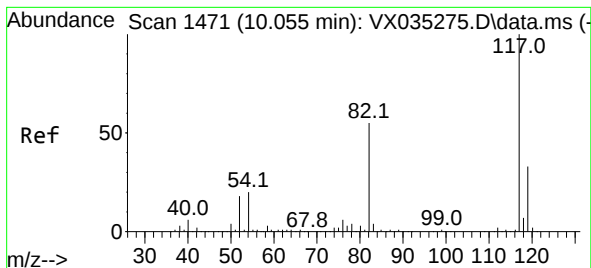
Tgt Ion: 92 Resp: 11050
Ion Ratio Lower Upper
92 100
91 160.4 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 54.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion: 95 Resp: 191034
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.4
176 75.7 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: VX035395.D

Acq: 28 Apr 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

SPA-5WC-23-04

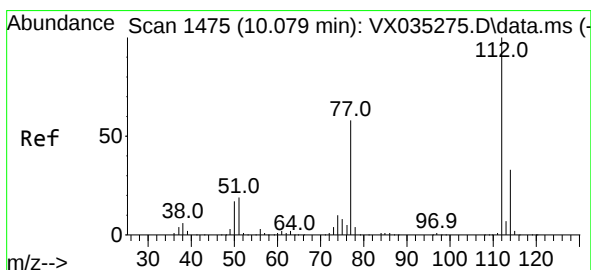
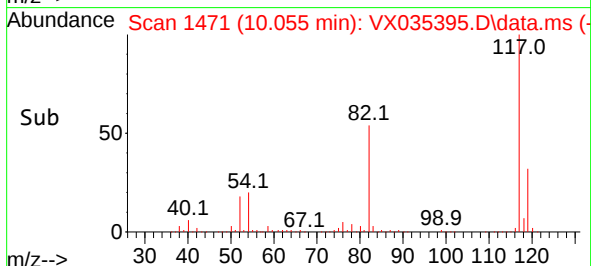
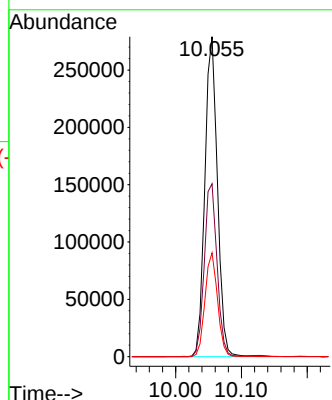
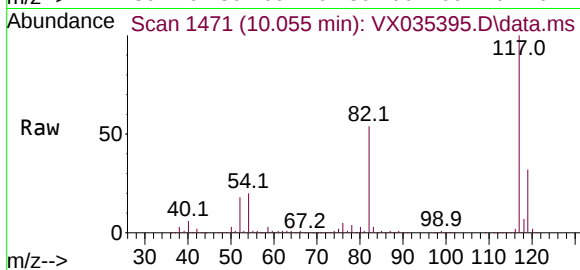
Tgt Ion:117 Resp: 370921

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

119 32.5 26.0 39.0



#65

Chlorobenzene

Concen: 6.952 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.001 min

Lab File: VX035395.D

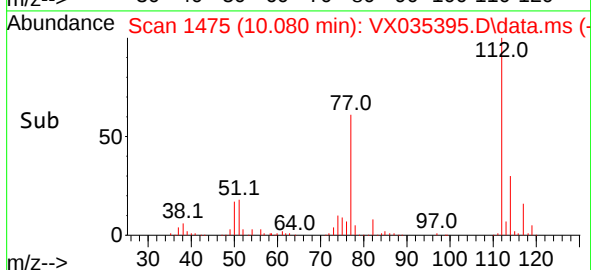
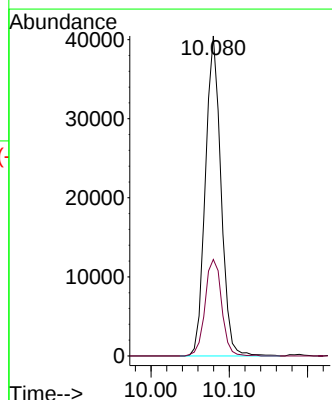
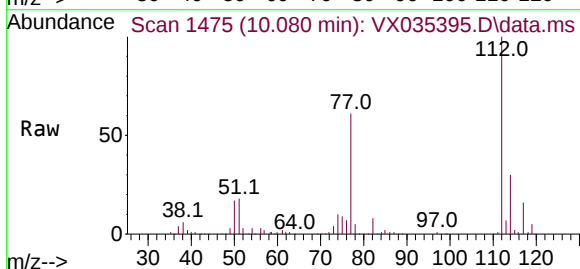
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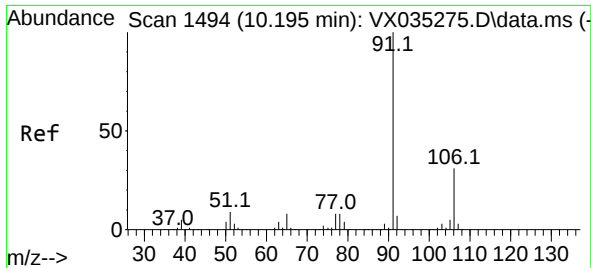
Tgt Ion:112 Resp: 55790

Ion Ratio Lower Upper

112 100

114 30.1 26.2 39.2

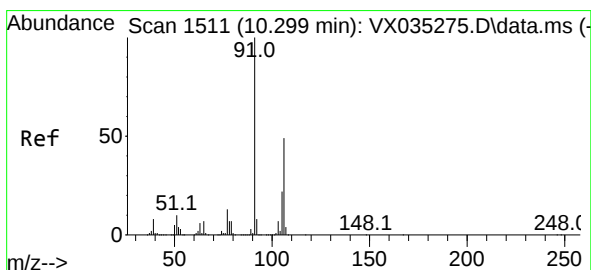
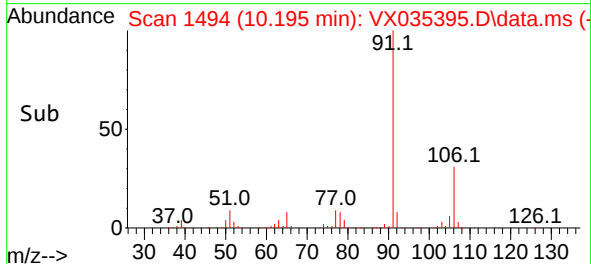
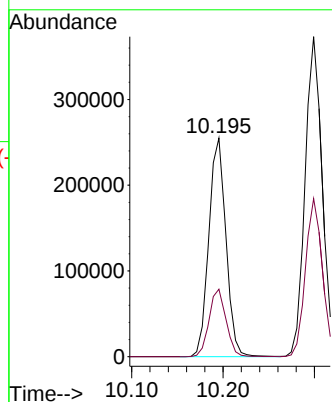
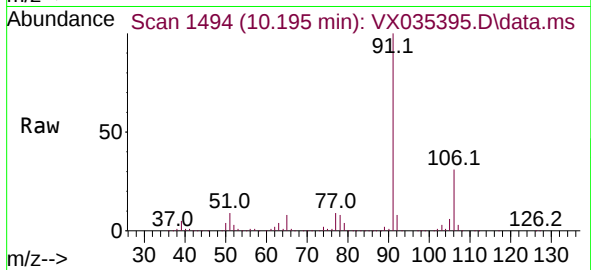




#67
Ethyl Benzene
Concen: 23.868 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

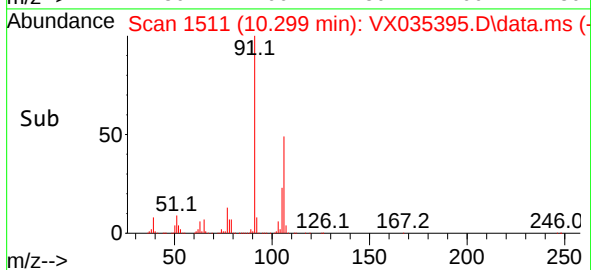
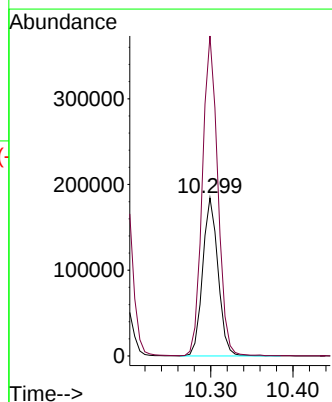
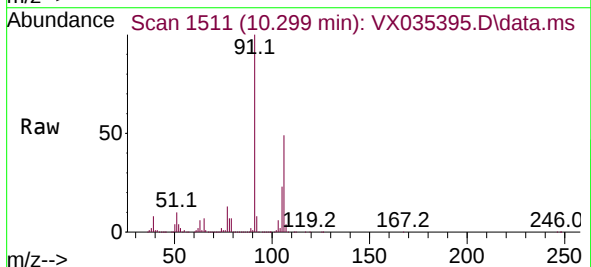
Instrument :
MSVOA_X
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SPA-5WC-23-04

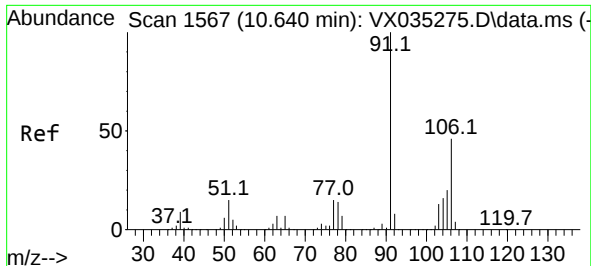
Tgt Ion: 91 Resp: 331708
Ion Ratio Lower Upper
91 100
106 30.9 25.6 38.4



#68
m/p-Xylenes
Concen: 45.130 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion: 106 Resp: 240327
Ion Ratio Lower Upper
106 100
91 203.3 164.0 246.0

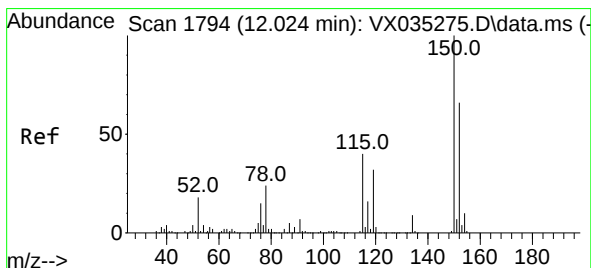
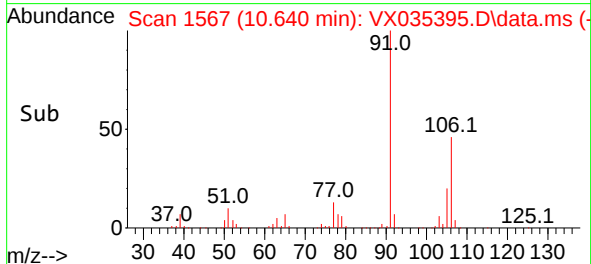
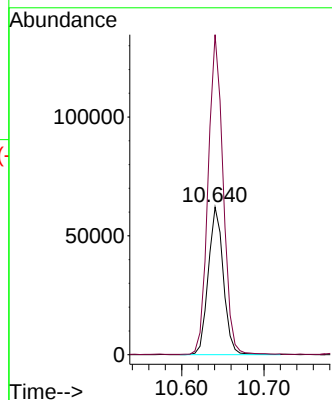
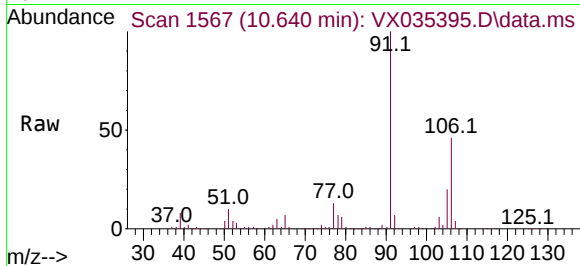




#69
o-Xylene
Concen: 15.146 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

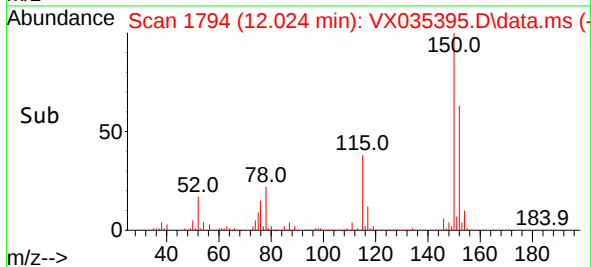
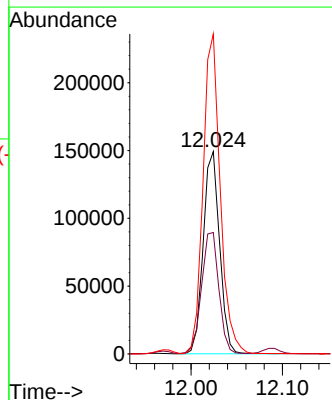
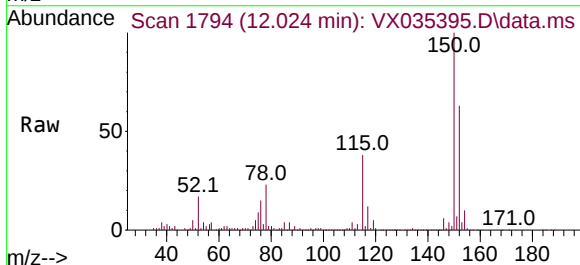
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MSVOA_X
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SPA-5WC-23-04

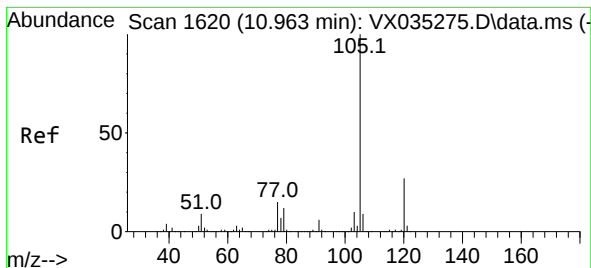
Tgt Ion:106 Resp: 79090
Ion Ratio Lower Upper
106 100
91 215.1 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion:152 Resp: 185560
Ion Ratio Lower Upper
152 100
115 63.5 45.0 135.0
150 165.4 0.0 352.4





#73

Isopropylbenzene

Concen: 3.735 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

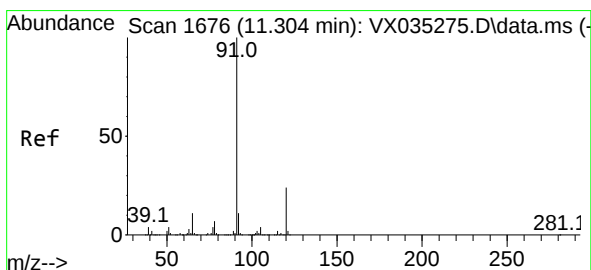
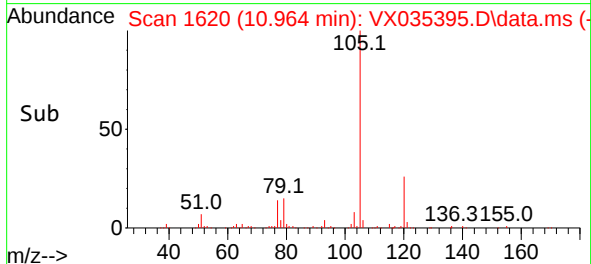
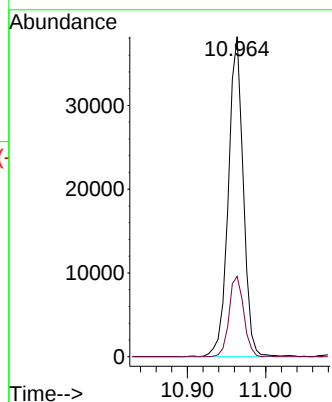
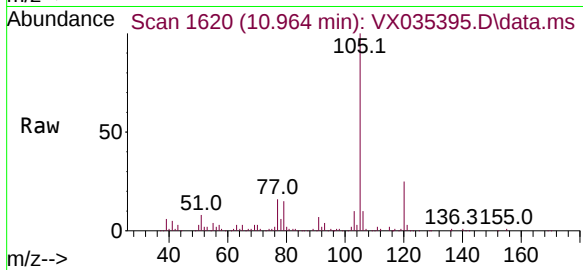
SPA-5WC-23-04

Tgt Ion:105 Resp: 50659

Ion Ratio Lower Upper

105 100

120 24.6 13.3 39.9



#78

n-propylbenzene

Concen: 6.179 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035395.D

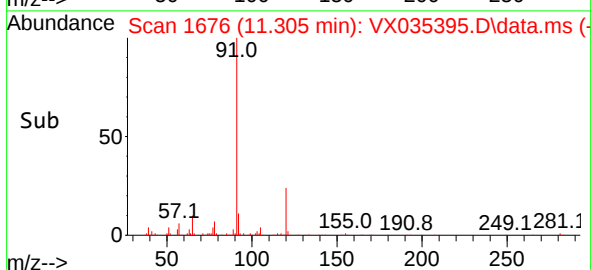
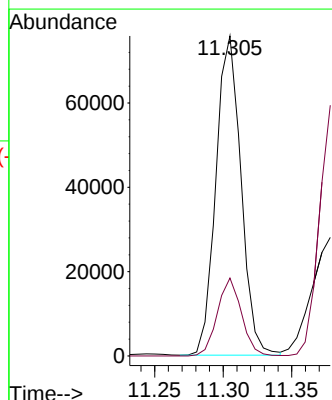
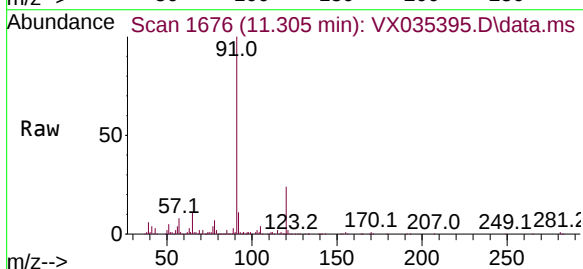
Acq: 28 Apr 2023 16:52

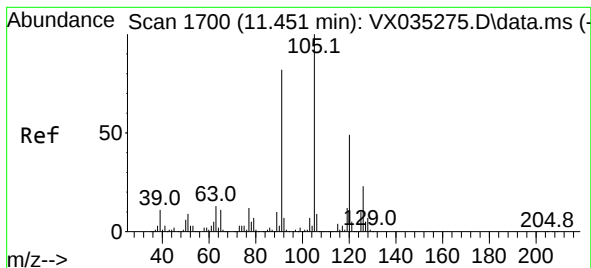
Tgt Ion: 91 Resp: 96258

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 12.490 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

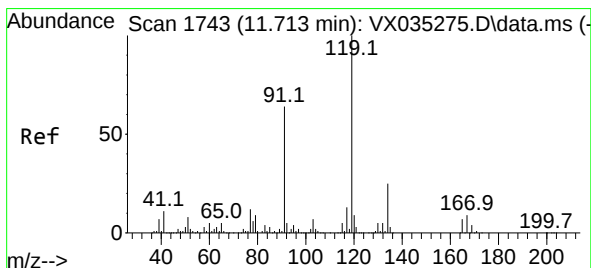
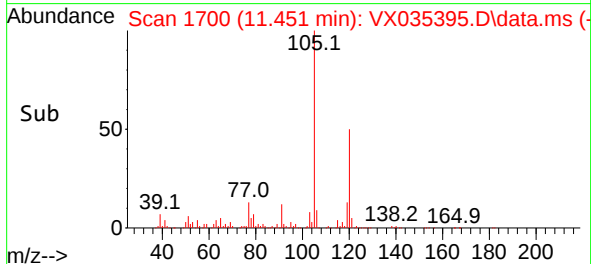
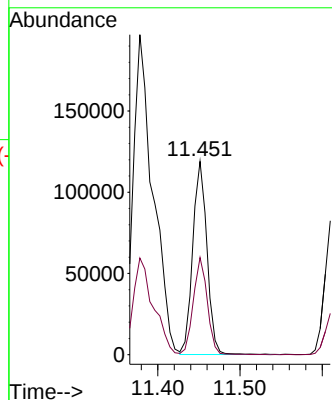
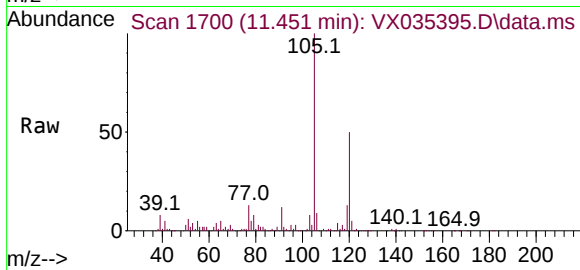
SPA-5WC-23-04

Tgt Ion:105 Resp: 142856

Ion Ratio Lower Upper

105 100

120 49.5 23.7 71.1



#83

tert-Butylbenzene

Concen: 1.602 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

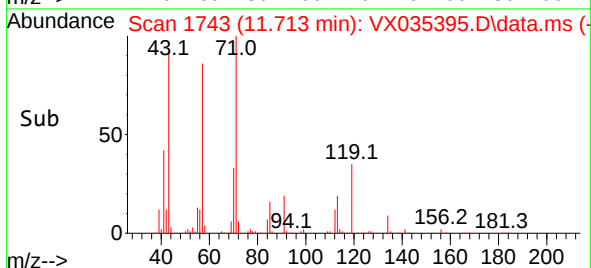
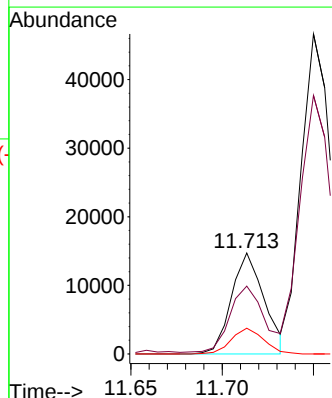
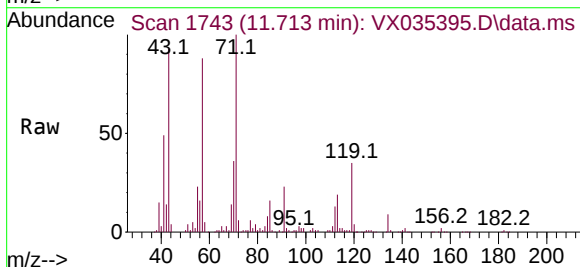
Tgt Ion:119 Resp: 18381

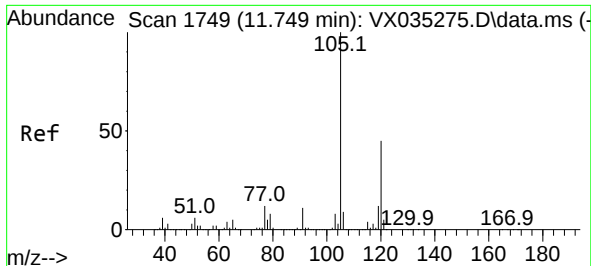
Ion Ratio Lower Upper

119 100

91 69.3 30.6 92.0

134 25.2 11.8 35.4

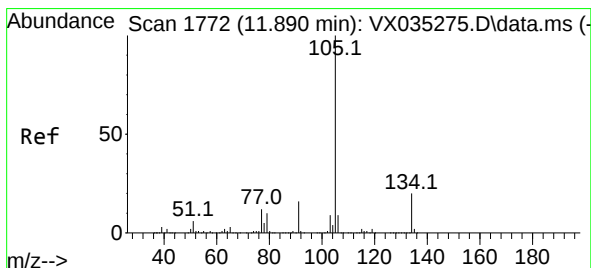
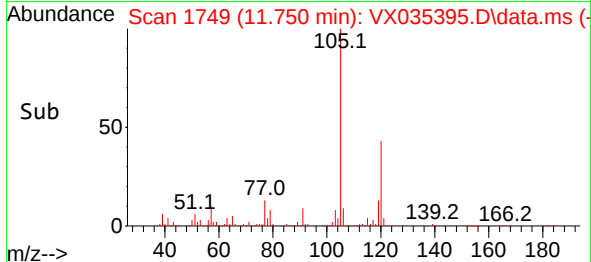
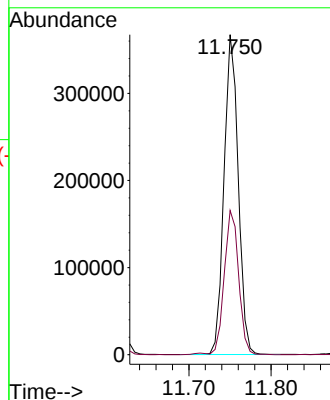
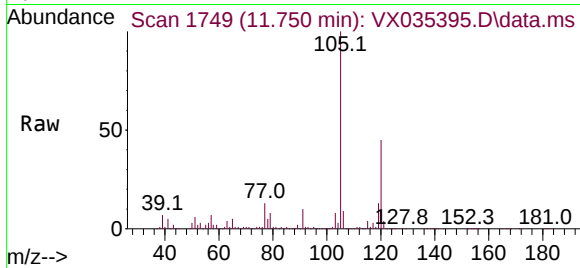




#84
 1,2,4-Trimethylbenzene
 Concen: 38.352 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.001 min
 Lab File: VX035395.D
 Acq: 28 Apr 2023 16:52

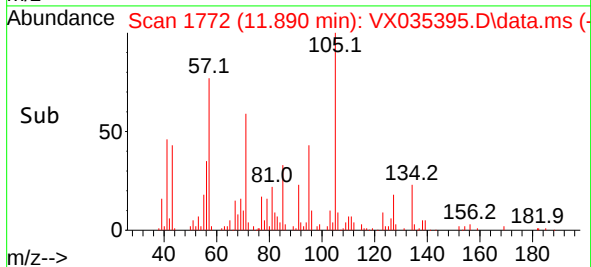
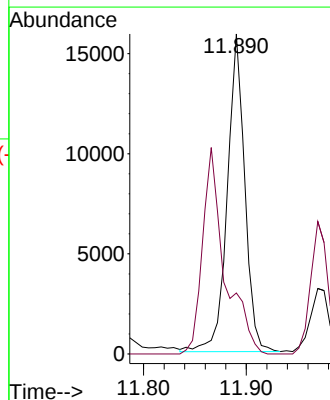
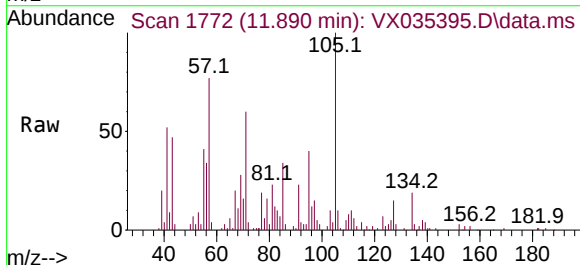
Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-5WC-23-04

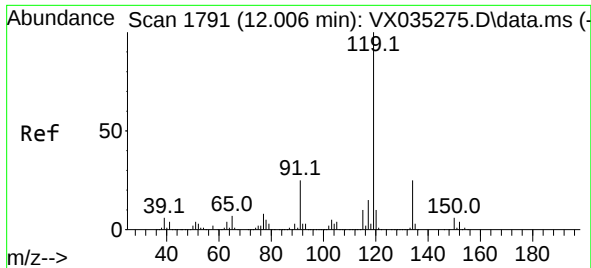
Tgt Ion:105 Resp: 440733
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 1.330 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX035395.D
 Acq: 28 Apr 2023 16:52

Tgt Ion:105 Resp: 18726
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

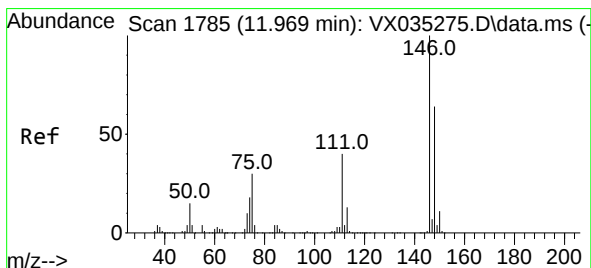
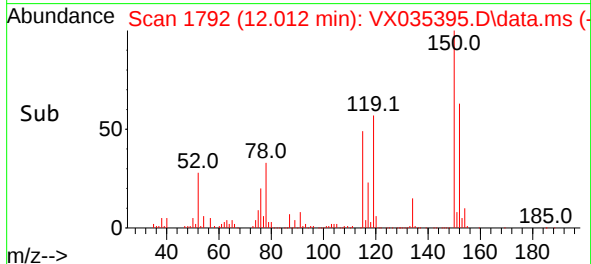
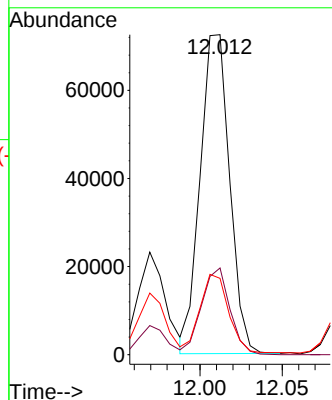
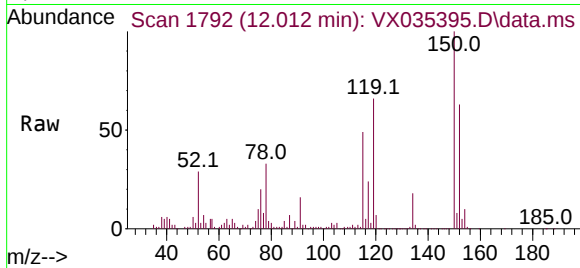




#86
p-Isopropyltoluene
Concen: 7.522 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

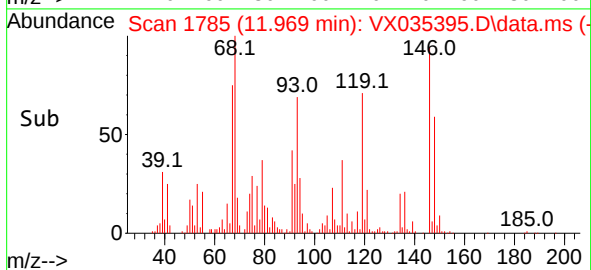
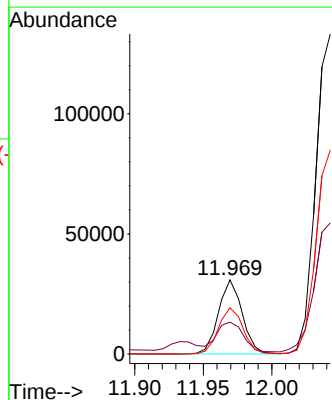
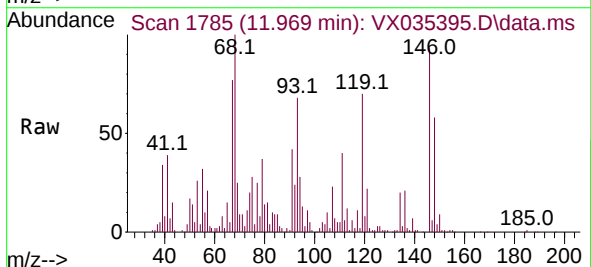
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04

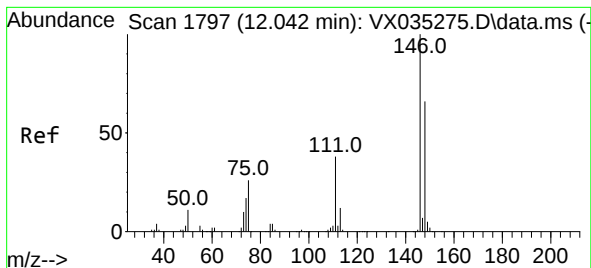
Tgt Ion:119 Resp: 90051
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 23.9 12.9 38.7



#87
1,3-Dichlorobenzene
Concen: 5.809 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion:146 Resp: 37224
Ion Ratio Lower Upper
146 100
111 44.1 20.9 62.8
148 64.4 31.6 95.0





#88

1,4-Dichlorobenzene

Concen: 24.994 ug/l

RT: 12.043 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

Instrument :

MSVOA_X

ClientSampleId :

SPA-5WC-23-04

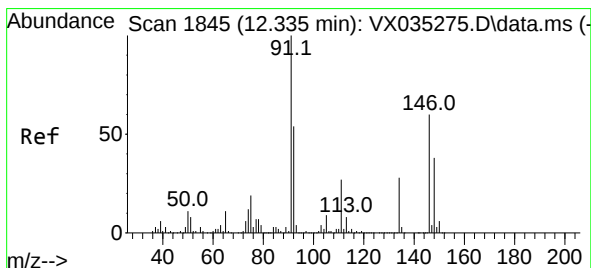
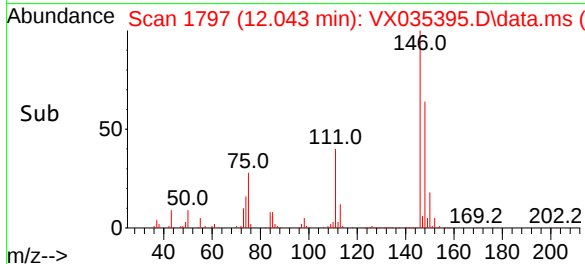
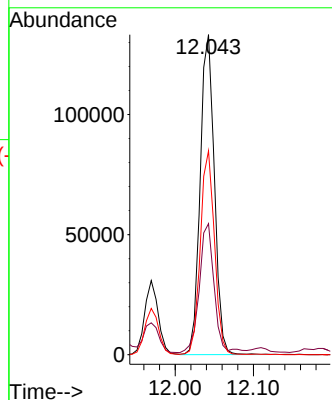
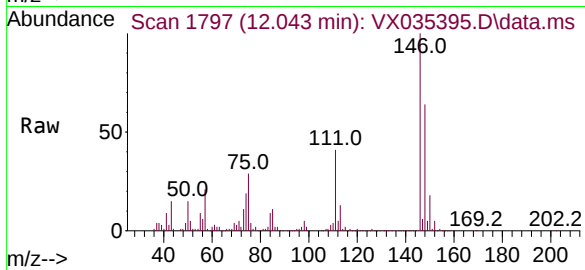
Tgt Ion:146 Resp: 167919

Ion Ratio Lower Upper

146 100

111 42.1 20.6 61.9

148 63.3 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 23.072 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035395.D

Acq: 28 Apr 2023 16:52

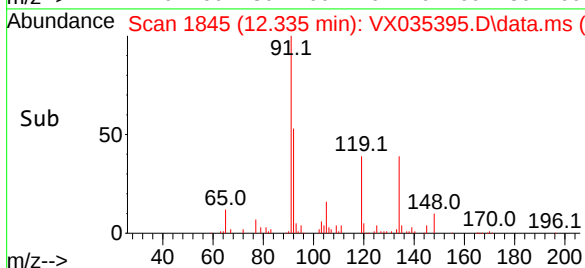
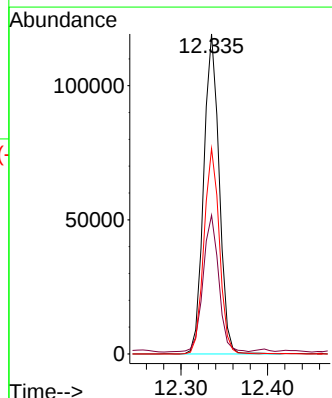
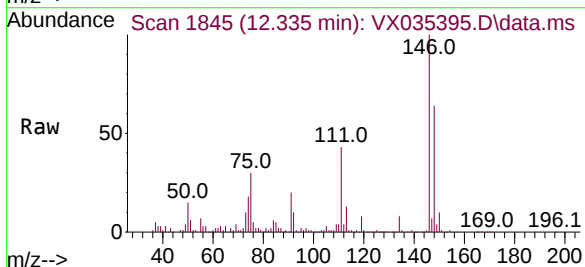
Tgt Ion:146 Resp: 147866

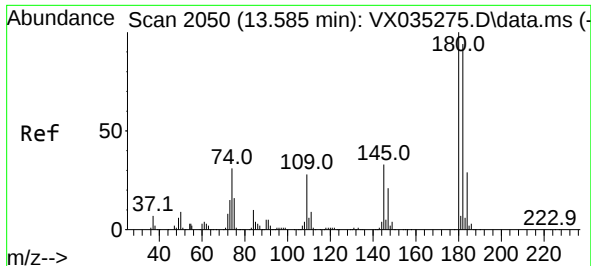
Ion Ratio Lower Upper

146 100

111 43.4 22.0 66.0

148 63.9 32.0 96.0

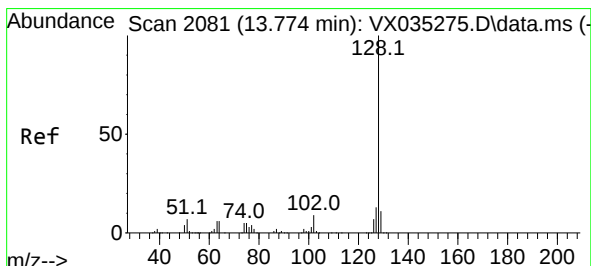
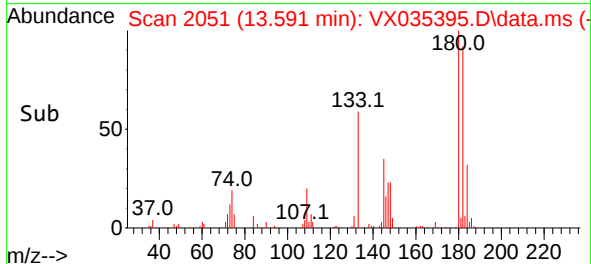
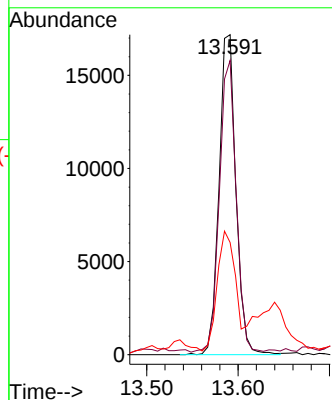
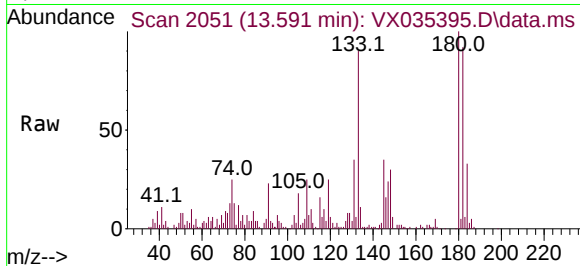




#93
1,2,4-Trichlorobenzene
Concen: 5.478 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04

Tgt Ion:180 Resp: 22069
Ion Ratio Lower Upper
180 100
182 90.6 47.0 141.0
145 43.7 15.9 47.7



#95
Naphthalene
Concen: 14.610 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035395.D
Acq: 28 Apr 2023 16:52

Tgt Ion:128 Resp: 181183
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0

