

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032793.D
 Acq On : 14 Nov 2022 14:41
 Operator : JC/MD
 Sample : N5551-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14D

Quant Time: Nov 15 05:08:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

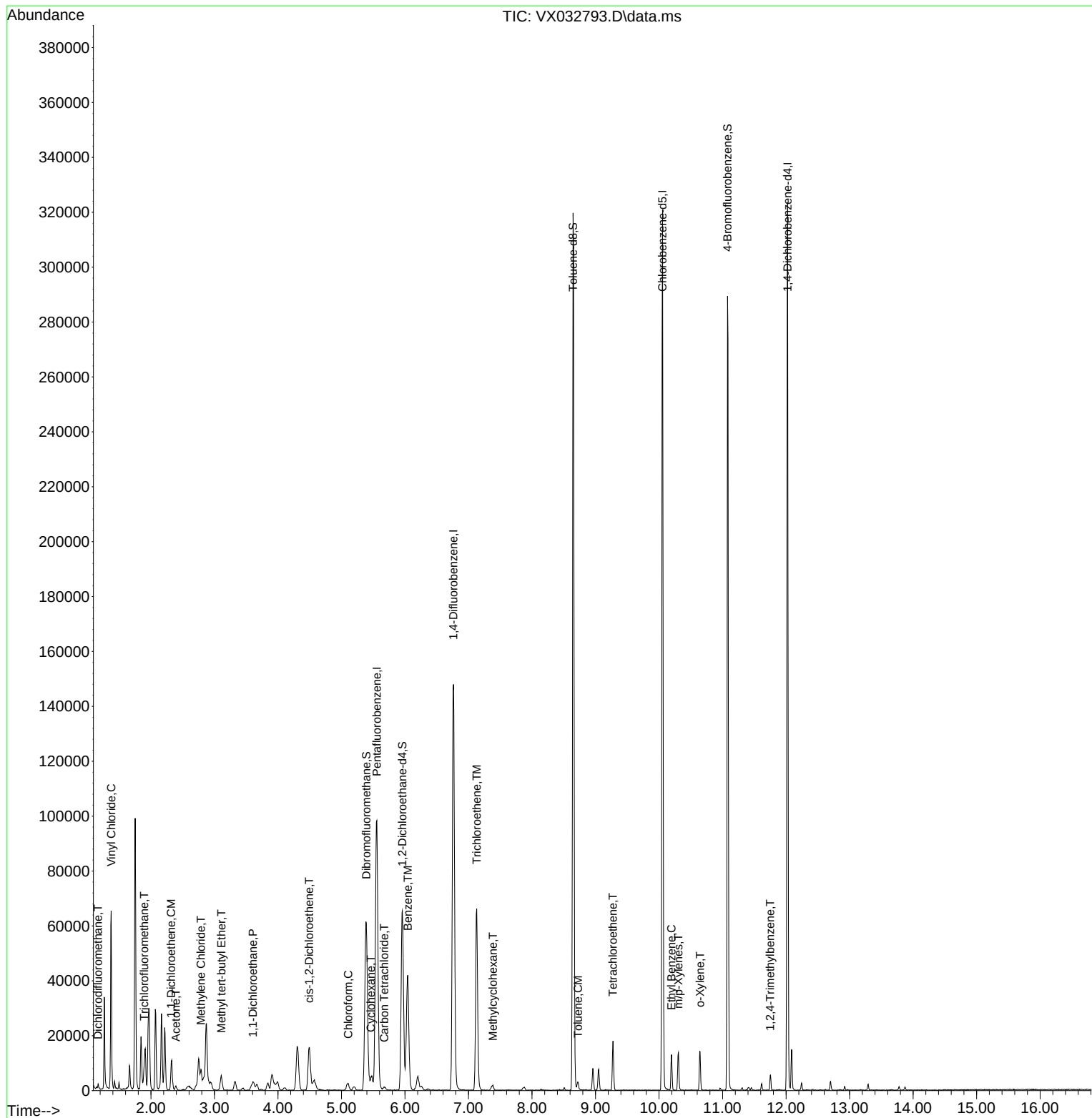
Internal Standards						
1) Pentafluorobenzene	5.556	168	93188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	156125	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66779	51.574	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.140%
35) Dibromofluoromethane	5.391	113	54100	48.579	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	8.647	98	190423	49.174	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.340%
62) 4-Bromofluorobenzene	11.079	95	72920	48.206	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	951	0.885	ug/l	81
4) Vinyl Chloride	1.374	62	1997	1.996	ug/l	99
7) Trichlorofluoromethane	1.892	101	3826	2.019	ug/l	96
12) 1,1-Dichloroethene	2.319	96	3550	3.799	ug/l	97
16) Acetone	2.392	43	1970	4.186	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	1786	0.544	ug/l #	1
20) Methylene Chloride	2.788	84	2081	1.929	ug/l	86
24) 1,1-Dichloroethane	3.605	63	3246	1.751	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	10224	8.695	ug/l	90
30) Chloroform	5.105	83	3251	1.598	ug/l	98
31) Cyclohexane	5.464	56	3361	2.141	ug/l	87
38) Carbon Tetrachloride	5.672	117	960	0.558	ug/l	88
39) Methylcyclohexane	7.385	83	702	0.383	ug/l #	75
40) Benzene	6.044	78	50122	11.421	ug/l	98
44) Trichloroethene	7.129	130	25127	20.339	ug/l	96
52) Toluene	8.726	92	1295	0.452	ug/l	92
64) Tetrachloroethene	9.275	164	3113	3.067	ug/l #	88
67) Ethyl Benzene	10.195	91	7286	1.312	ug/l	99
68) m/p-Xylenes	10.305	106	3433	1.591	ug/l	95
69) o-Xylene	10.646	106	3272	1.560	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	2824	0.633	ug/l	96

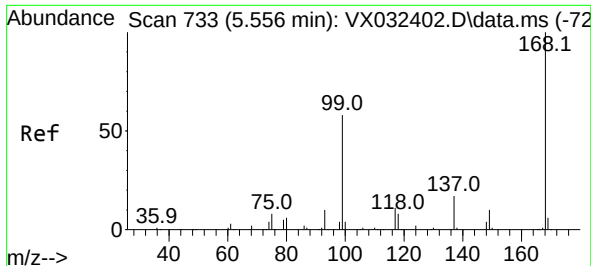
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

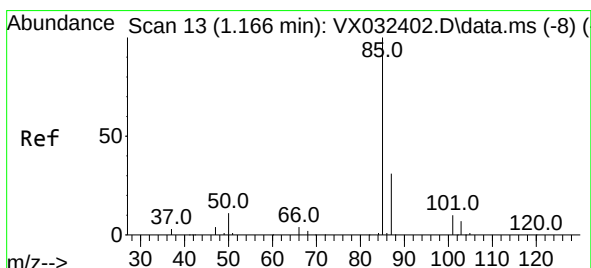
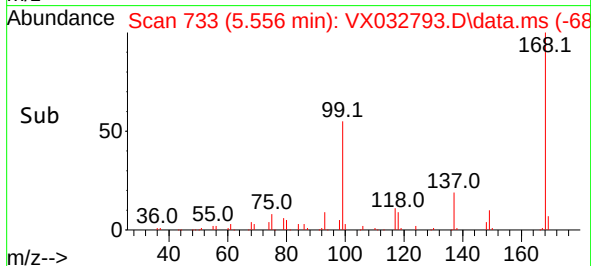
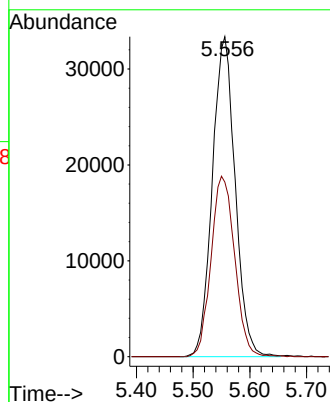
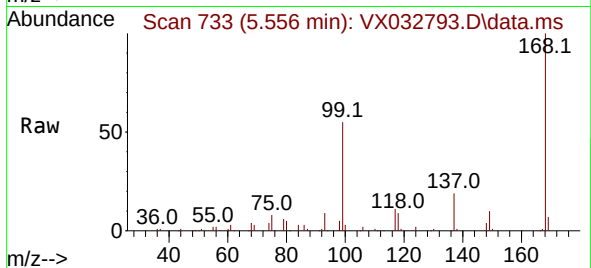




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

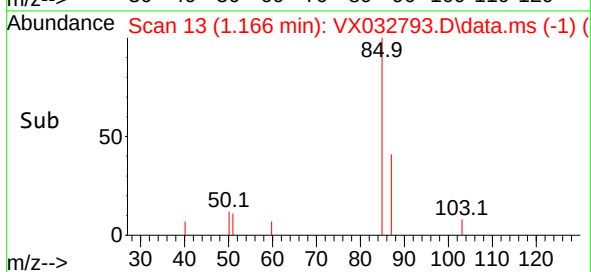
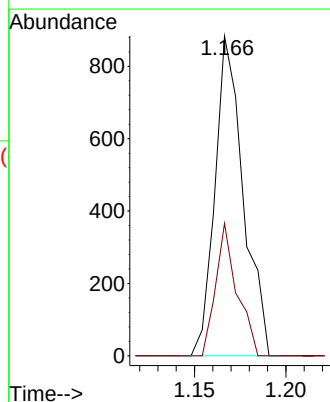
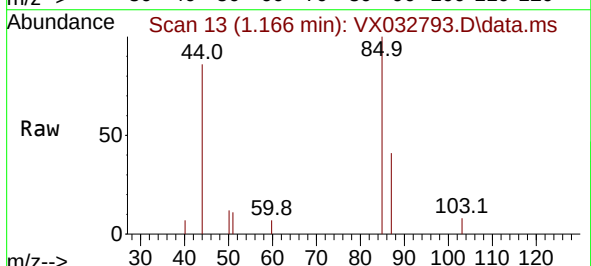
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

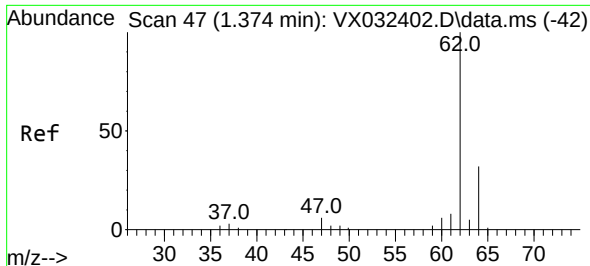
Tgt Ion:168 Resp: 93188
Ion Ratio Lower Upper
168 100
99 54.6 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.885 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion: 85 Resp: 951
Ion Ratio Lower Upper
85 100
87 41.4 15.6 46.7

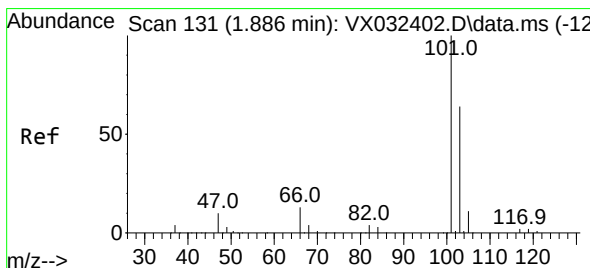
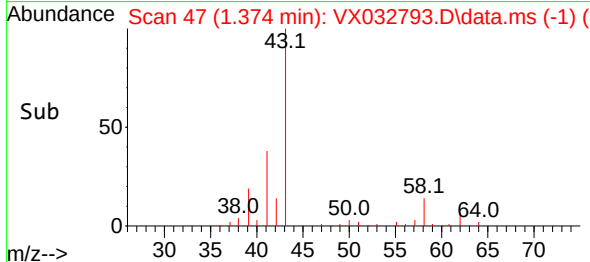
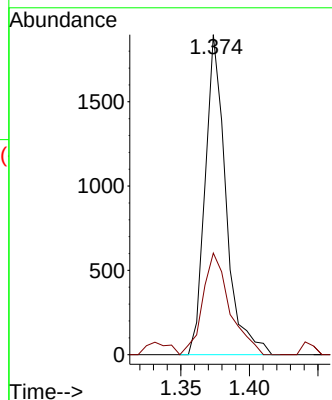
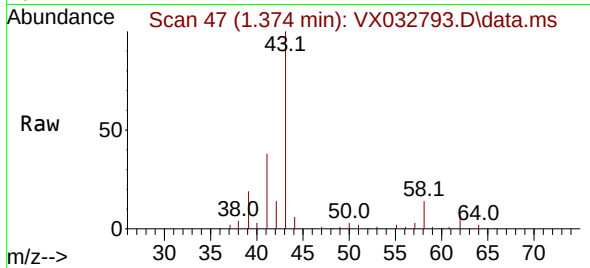




#4
 Vinyl Chloride
 Concen: 1.996 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

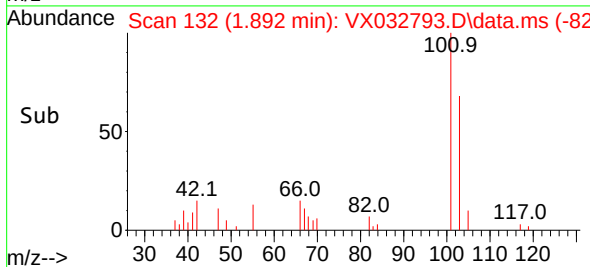
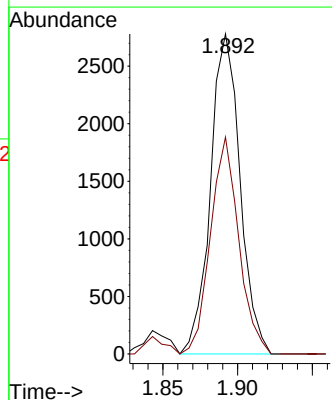
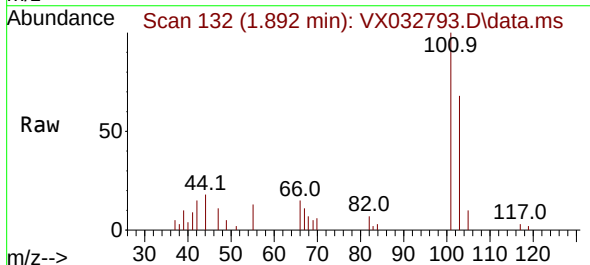
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14D

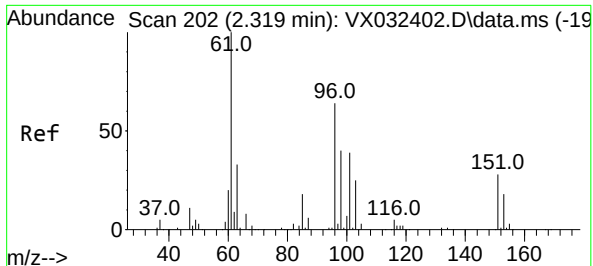
Tgt Ion: 62 Resp: 1997
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.8 38.6



#7
 Trichlorofluoromethane
 Concen: 2.019 ug/l
 RT: 1.892 min Scan# 132
 Delta R.T. 0.006 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

Tgt Ion: 101 Resp: 3826
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.4 77.2





#12

1,1-Dichloroethene

Concen: 3.799 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-14D

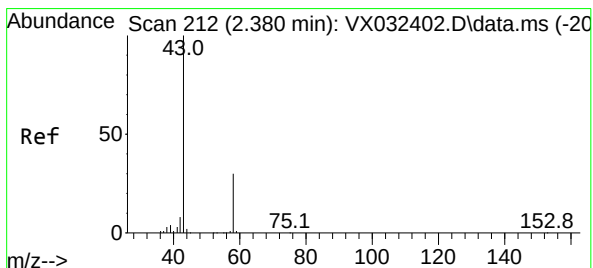
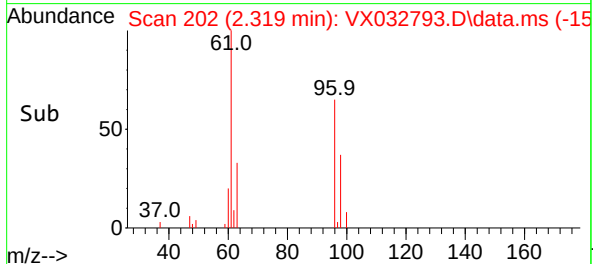
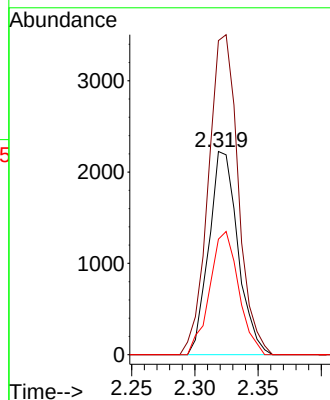
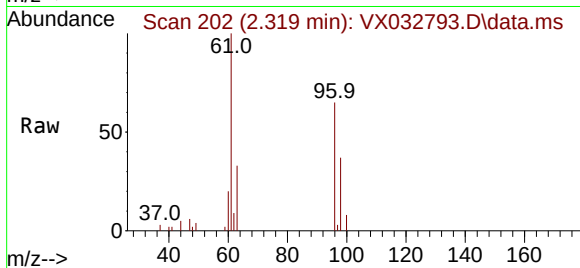
Tgt Ion: 96 Resp: 3550

Ion Ratio Lower Upper

96 100

61 154.7 125.1 187.7

98 56.9 50.6 76.0



#16

Acetone

Concen: 4.186 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032793.D

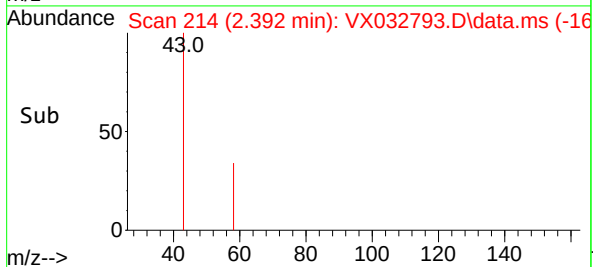
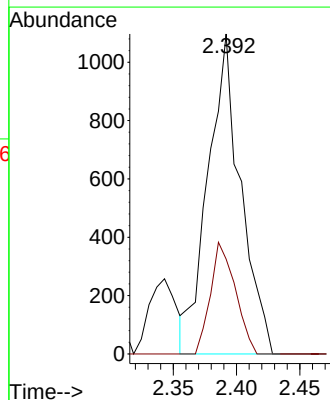
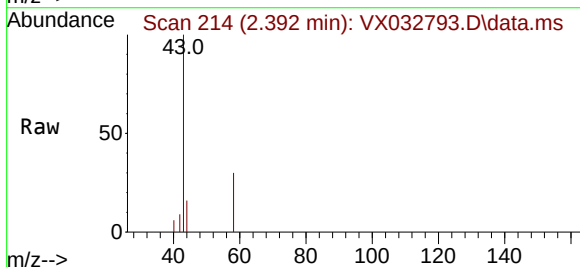
Acq: 14 Nov 2022 14:41

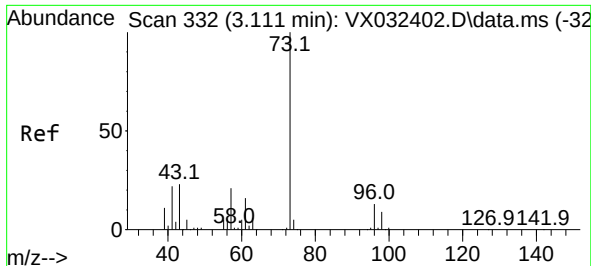
Tgt Ion: 43 Resp: 1970

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8

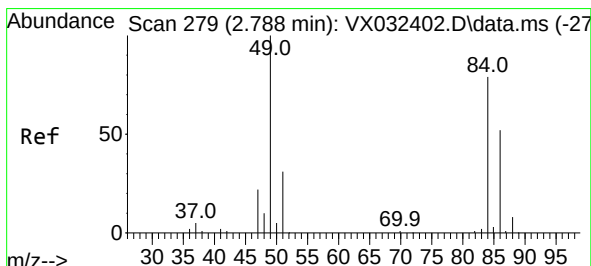
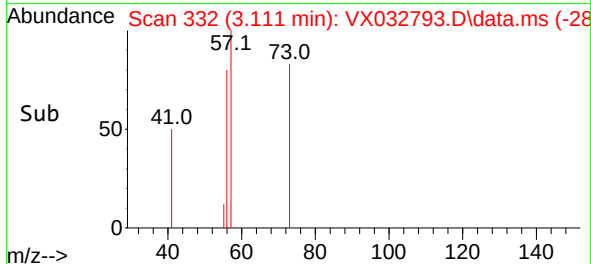
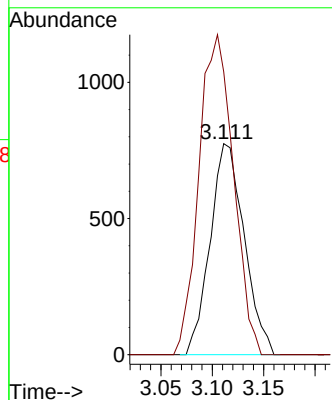
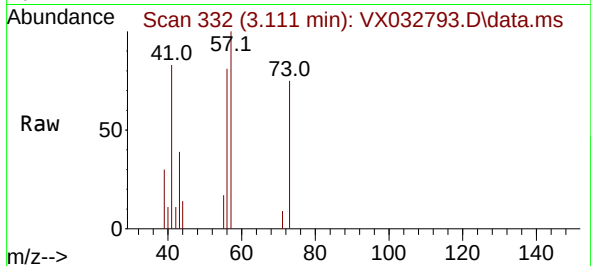




#19
Methyl tert-butyl Ether
Concen: 0.544 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

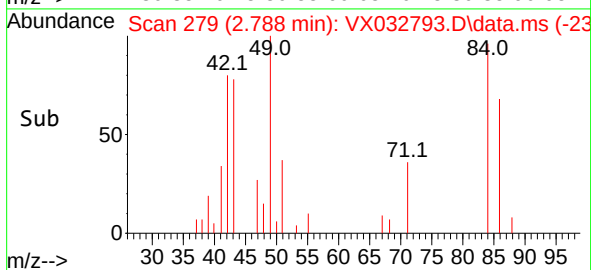
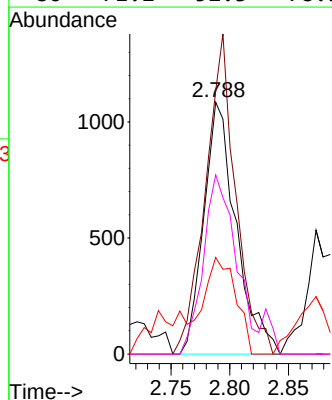
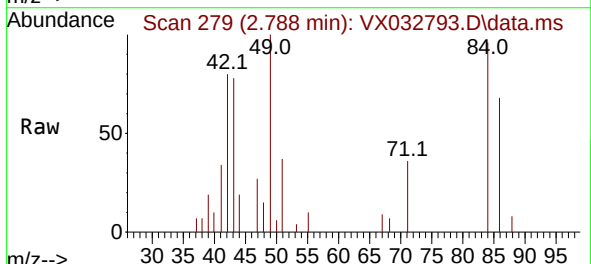
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

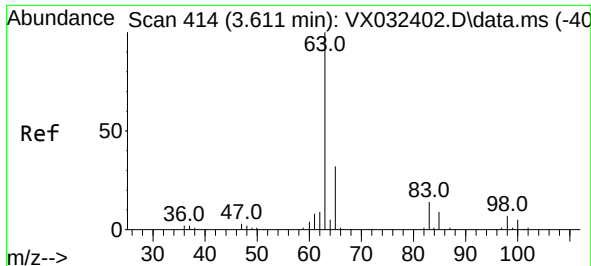
Tgt Ion: 73 Resp: 1786
Ion Ratio Lower Upper
73 100
57 134.1 16.6 25.0#



#20
Methylene Chloride
Concen: 1.929 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion: 84 Resp: 2081
Ion Ratio Lower Upper
84 100
49 104.6 101.0 151.6
51 33.0 31.1 46.7
86 71.2 52.3 78.5

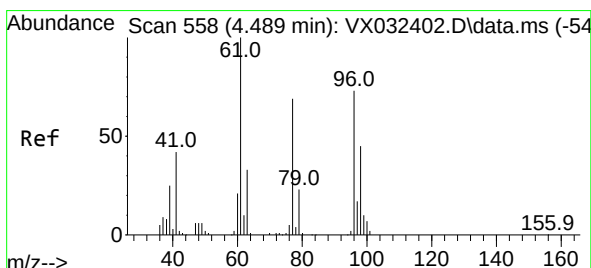
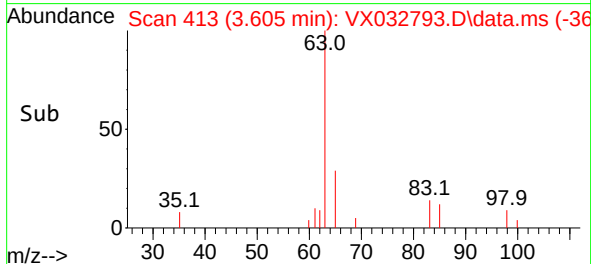
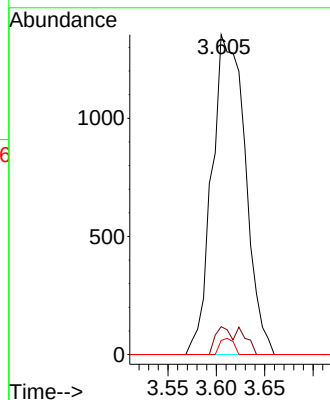
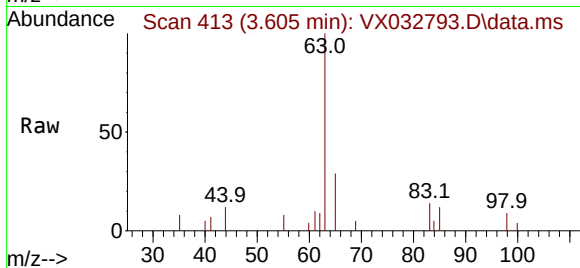




#24
 1,1-Dichloroethane
 Concen: 1.751 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

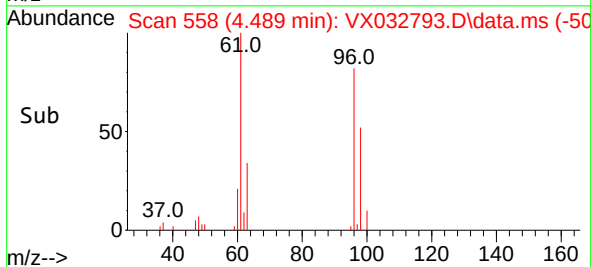
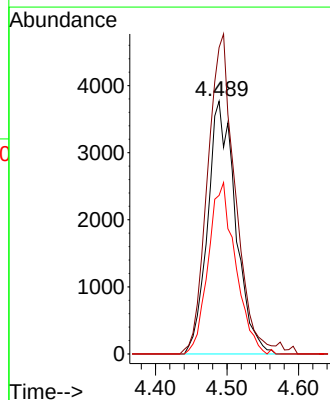
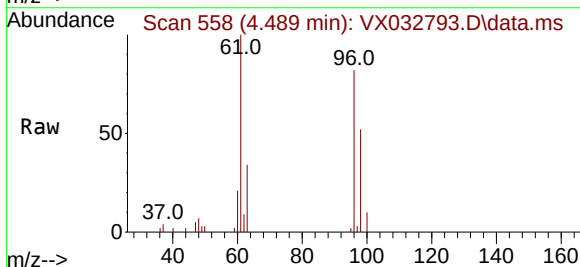
Instrument :
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 MW-14D

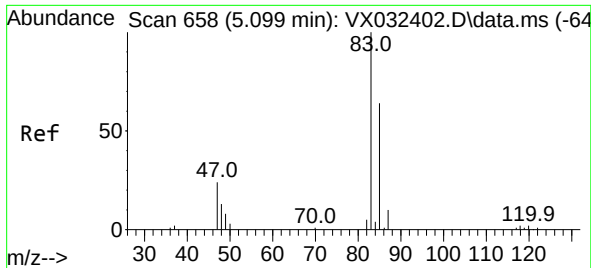
Tgt Ion: 63 Resp: 3246
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.5 10.4
 100 4.4 2.3 6.8



#27
 cis-1,2-Dichloroethene
 Concen: 8.695 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

Tgt Ion: 96 Resp: 10224
 Ion Ratio Lower Upper
 96 100
 61 126.3 0.0 286.0
 98 65.9 0.0 129.6

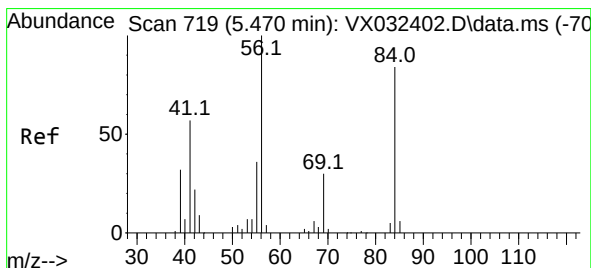
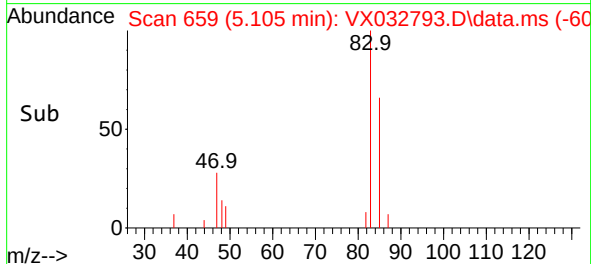
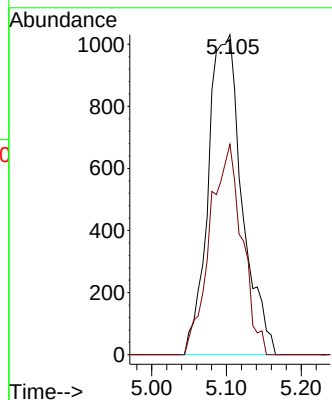
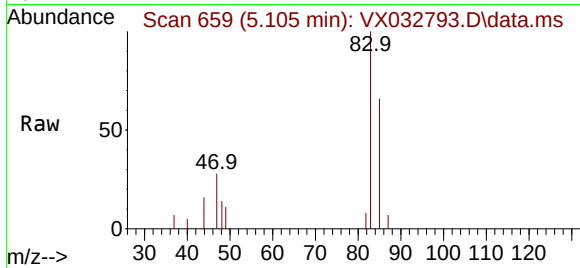




#30
Chloroform
Concen: 1.598 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

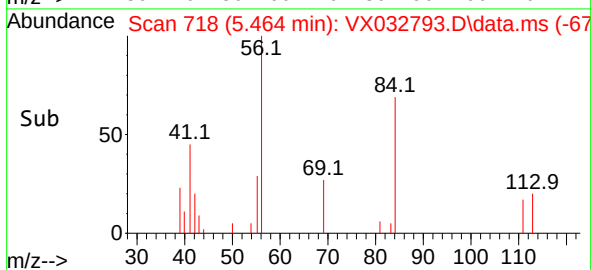
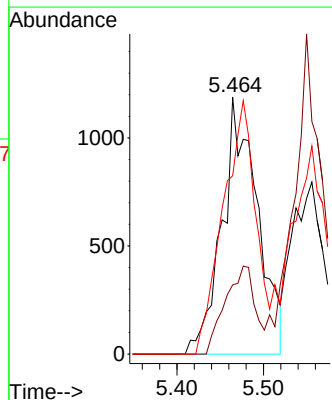
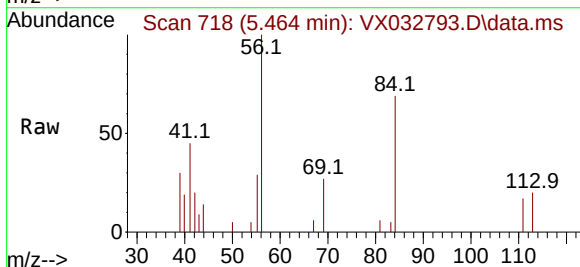
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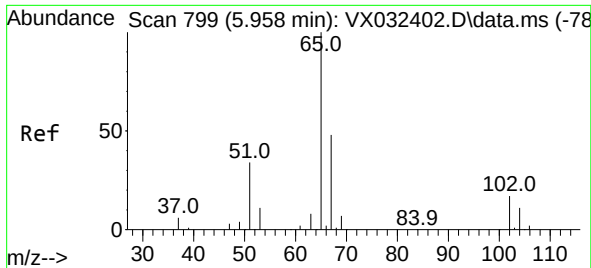
Tgt Ion: 83 Resp: 3251
Ion Ratio Lower Upper
83 100
85 65.8 51.1 76.7



#31
Cyclohexane
Concen: 2.141 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion: 56 Resp: 3361
Ion Ratio Lower Upper
56 100
69 26.9 24.1 36.1
84 69.4 66.9 100.3

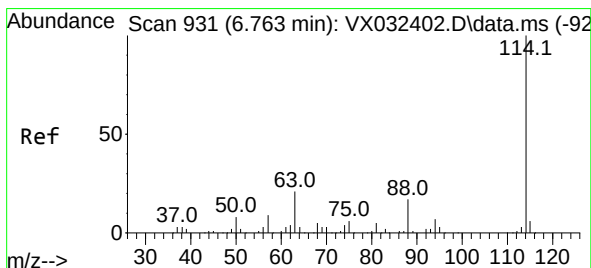
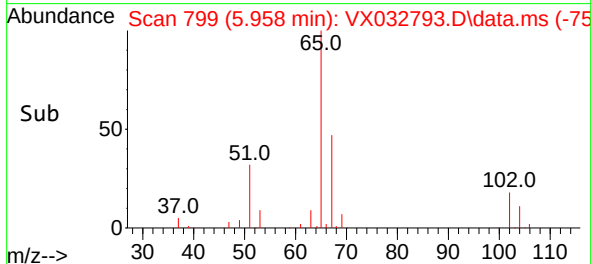
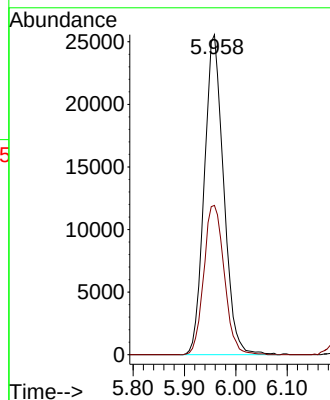
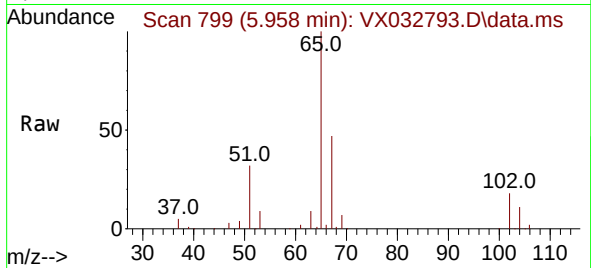




#33
 1,2-Dichloroethane-d4
 Concen: 51.574 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

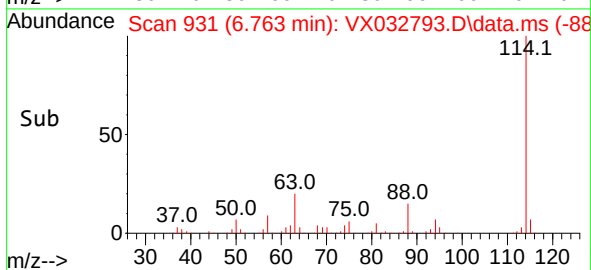
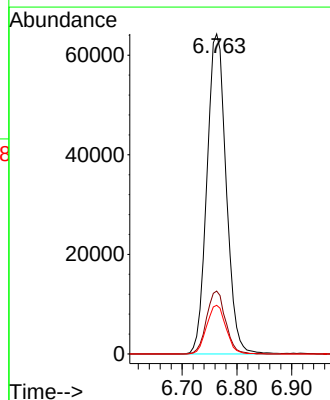
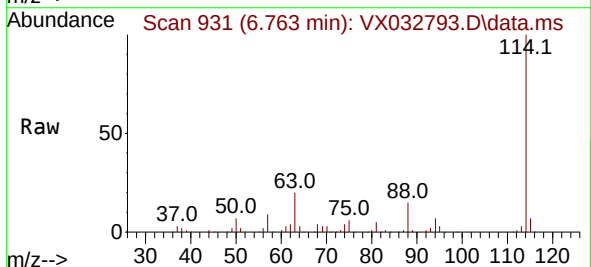
Instrument :
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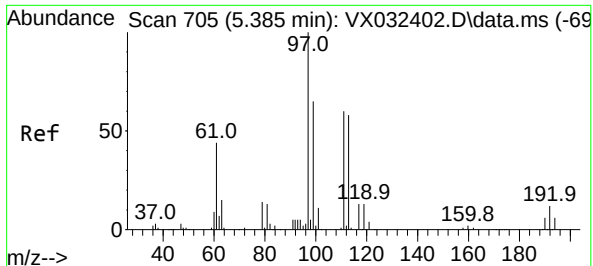
Tgt Ion: 65 Resp: 66779
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032793.D
 Acq: 14 Nov 2022 14:41

Tgt Ion: 114 Resp: 156125
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 15.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.579 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-14D

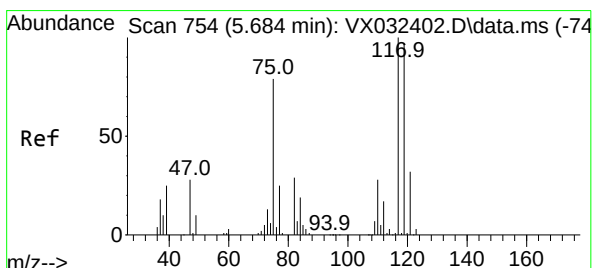
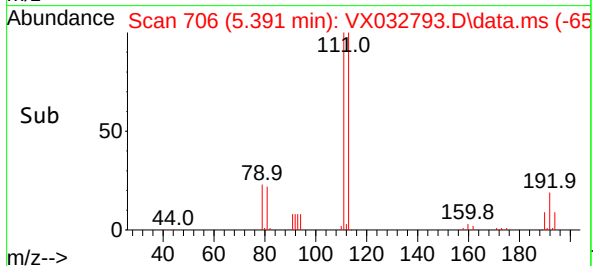
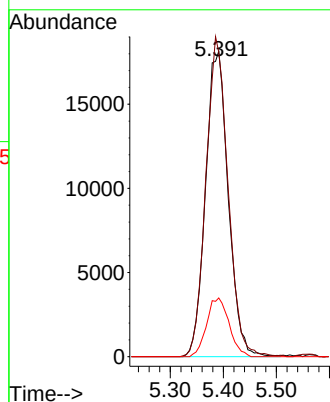
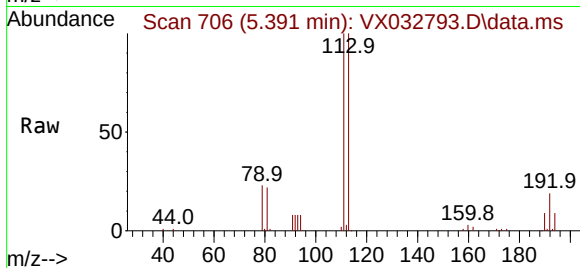
Tgt Ion:113 Resp: 54100

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 19.0 15.4 23.2



#38

Carbon Tetrachloride

Concen: 0.558 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

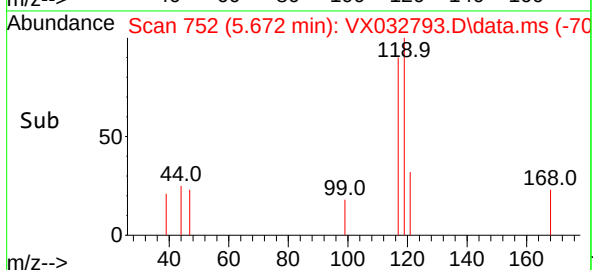
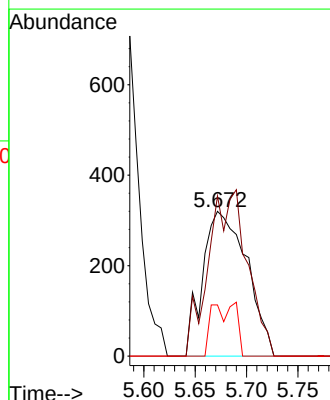
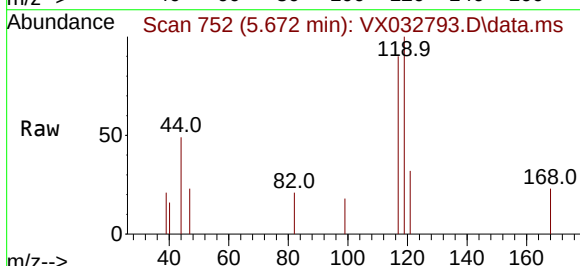
Tgt Ion:117 Resp: 960

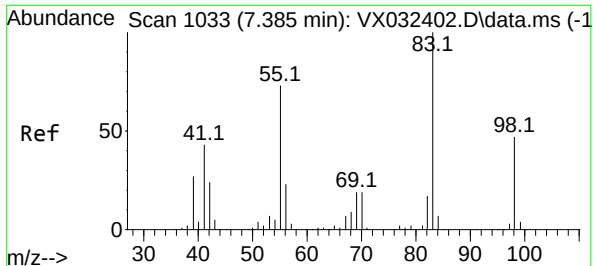
Ion Ratio Lower Upper

117 100

119 110.6 77.2 115.8

121 35.3 25.8 38.6





#39

Methylcyclohexane

Concen: 0.383 ug/l

RT: 7.385 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-14D

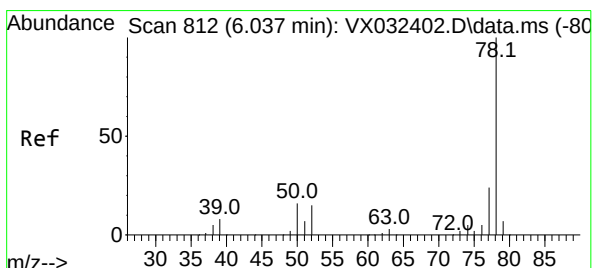
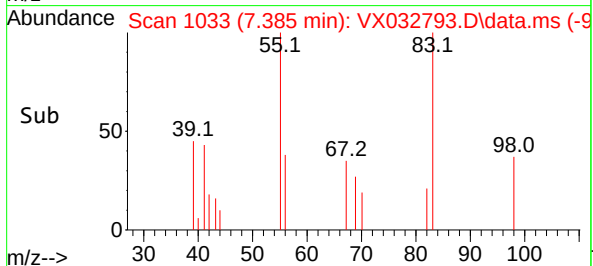
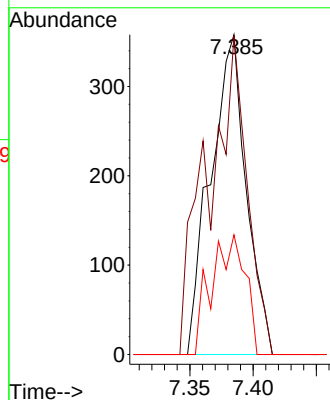
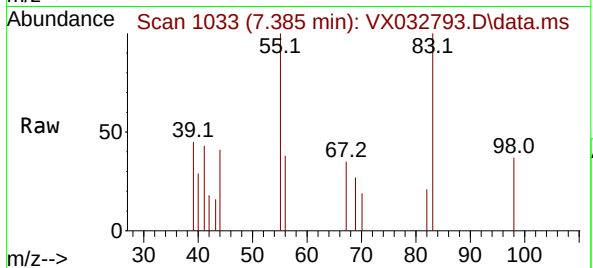
Tgt Ion: 83 Resp: 702

Ion Ratio Lower Upper

83 100

55 99.7 58.4 87.6#

98 37.4 37.2 55.8



#40

Benzene

Concen: 11.421 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX032793.D

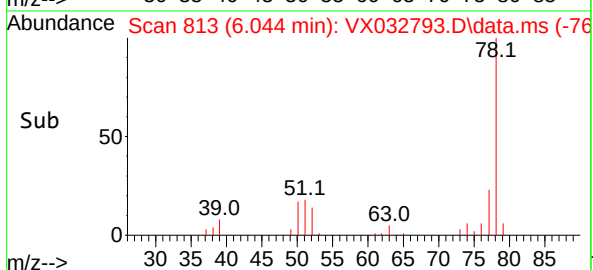
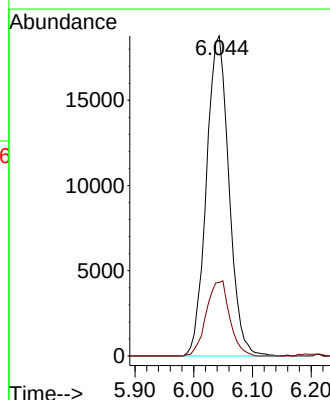
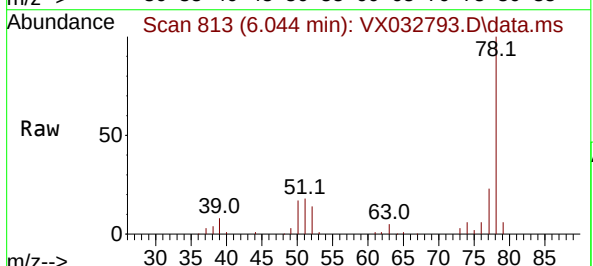
Acq: 14 Nov 2022 14:41

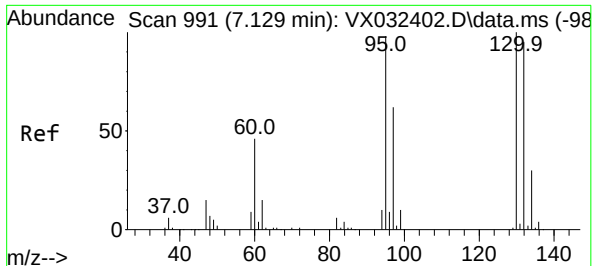
Tgt Ion: 78 Resp: 50122

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

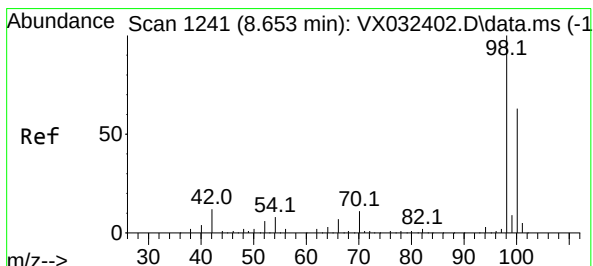
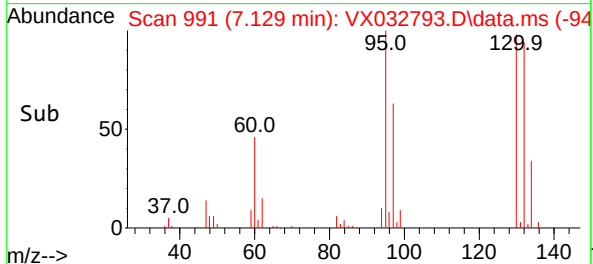
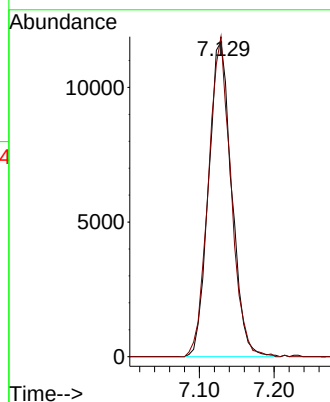
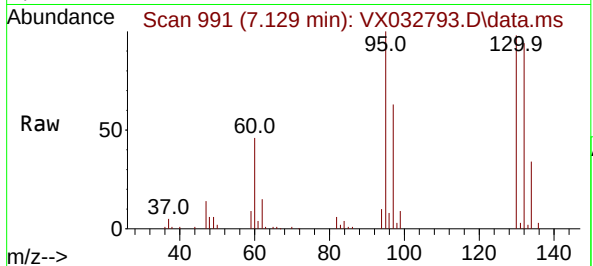




#44
Trichloroethene
Concen: 20.339 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

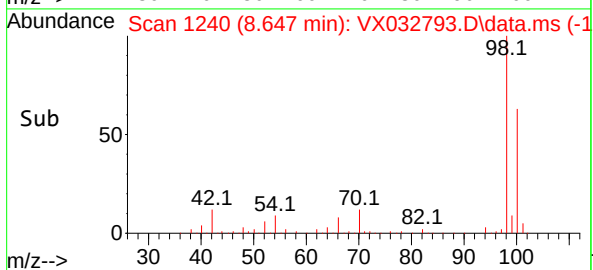
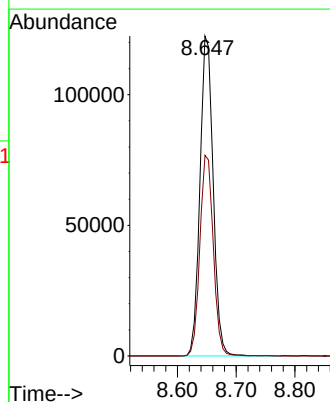
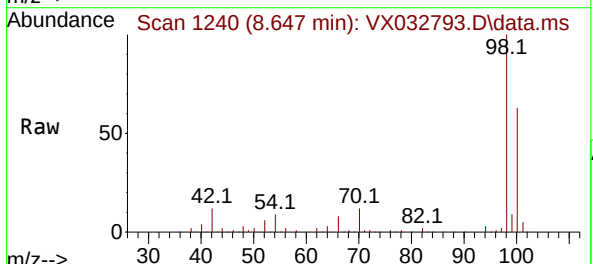
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

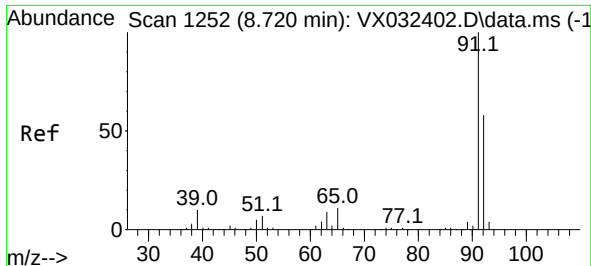
Tgt Ion:130 Resp: 25127
Ion Ratio Lower Upper
130 100
95 101.7 0.0 195.2



#50
Toluene-d8
Concen: 49.174 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion: 98 Resp: 190423
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

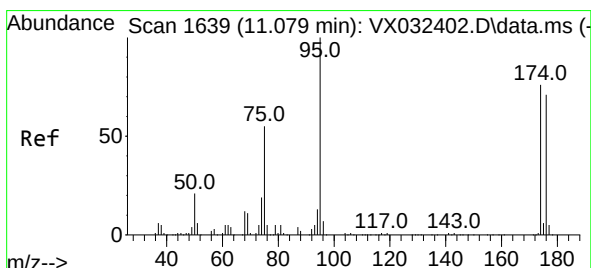
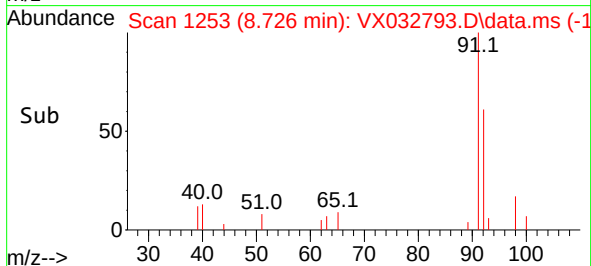
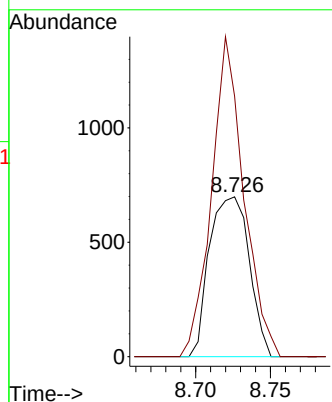
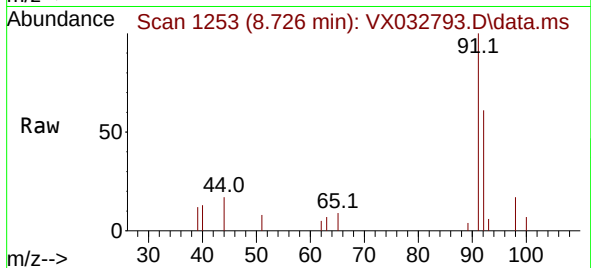




#52
Toluene
Concen: 0.452 ug/l
RT: 8.726 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

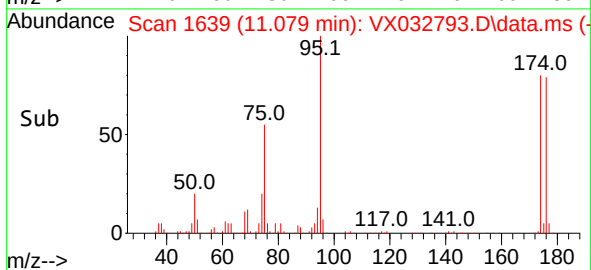
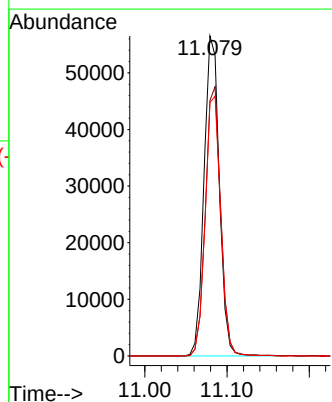
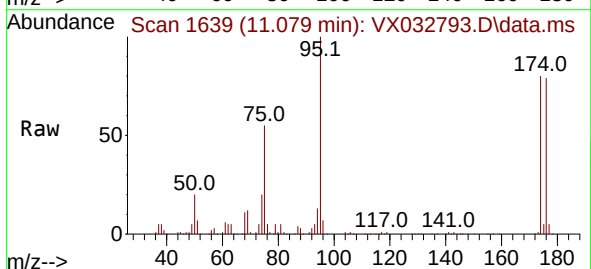
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

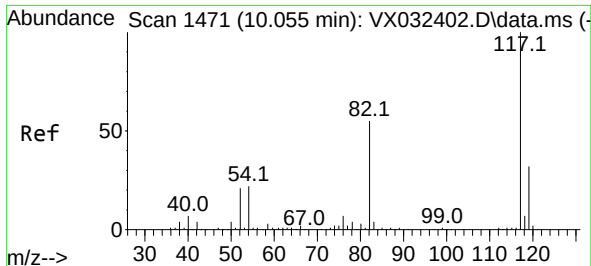
Tgt Ion: 92 Resp: 1295
Ion Ratio Lower Upper
92 100
91 162.2 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 48.206 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion: 95 Resp: 72920
Ion Ratio Lower Upper
95 100
174 84.3 0.0 164.0
176 82.5 0.0 154.4

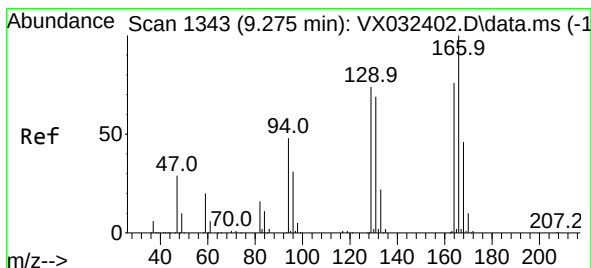
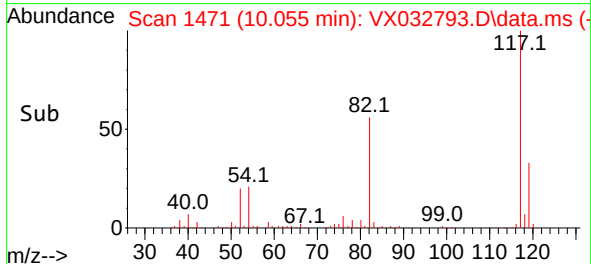
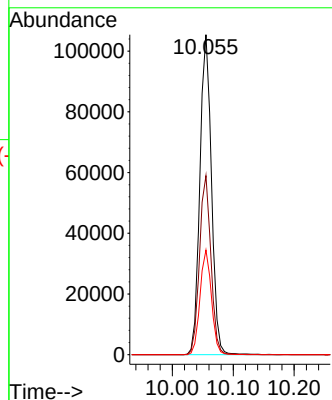
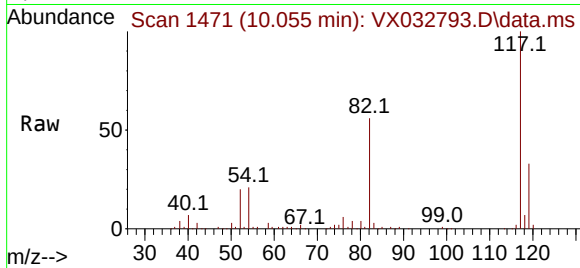




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

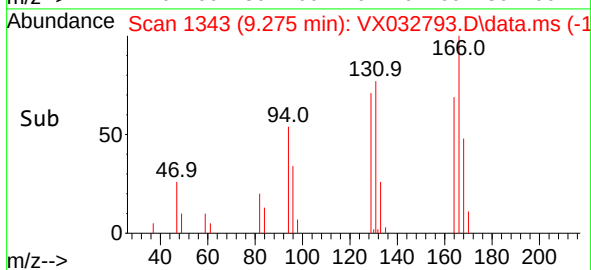
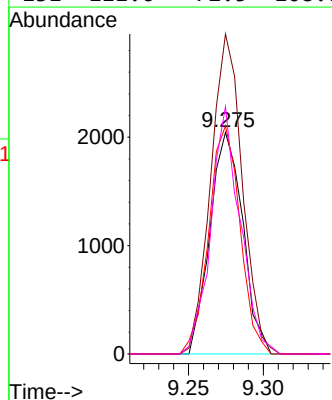
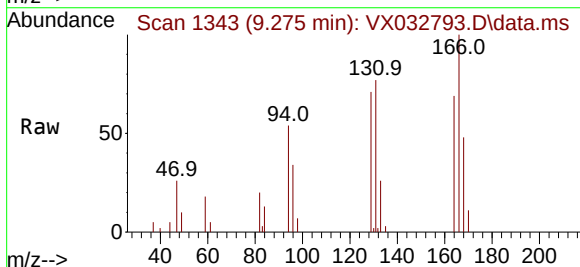
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

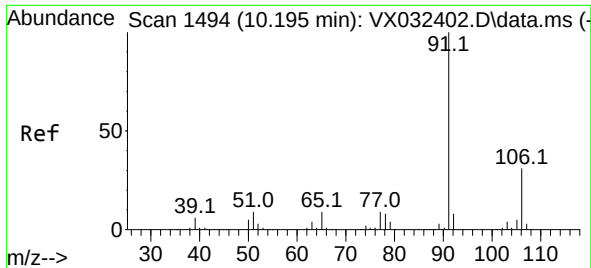
Tgt Ion:117 Resp: 138684
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 32.7 25.7 38.5



#64
Tetrachloroethene
Concen: 3.067 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion:164 Resp: 3113
Ion Ratio Lower Upper
164 100
166 144.4 105.4 158.2
129 103.0 78.2 117.2
131 111.6 72.5 108.7#





#67

Ethyl Benzene

Concen: 1.312 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

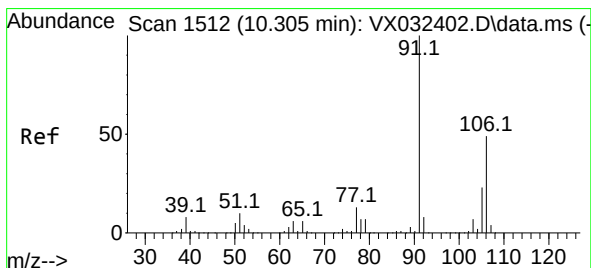
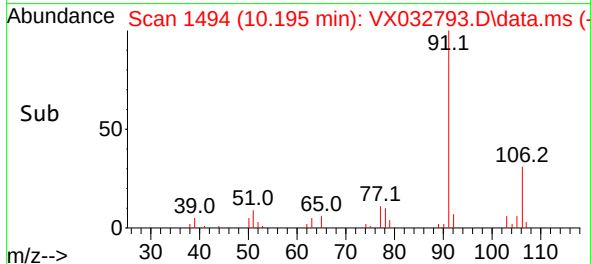
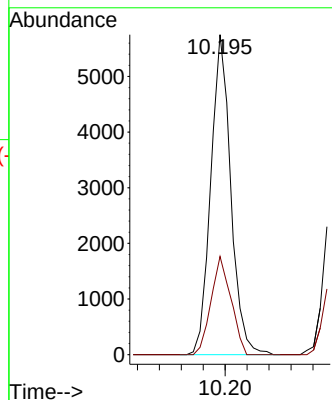
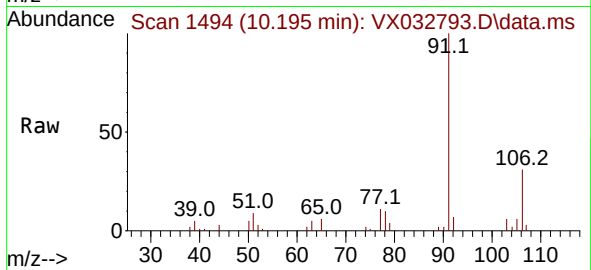
MW-14D

Tgt Ion: 91 Resp: 7286

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6



#68

m/p-Xylenes

Concen: 1.591 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX032793.D

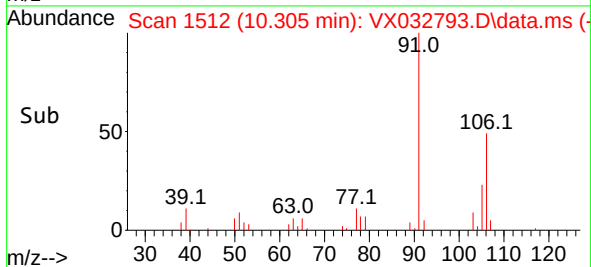
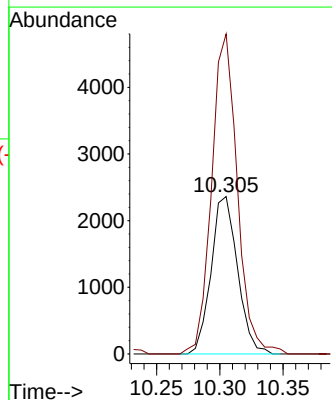
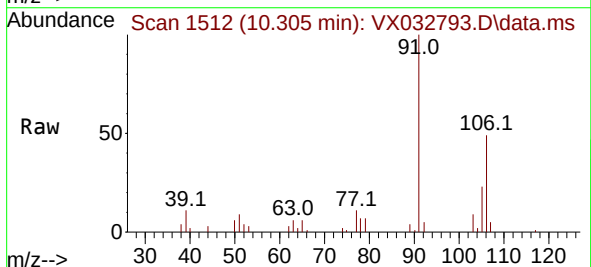
Acq: 14 Nov 2022 14:41

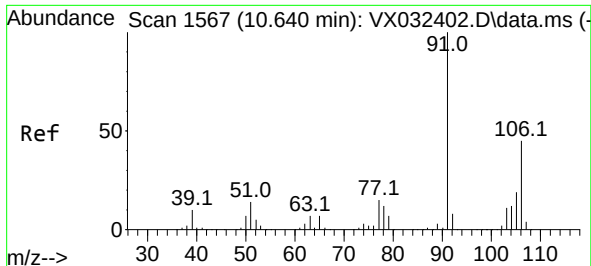
Tgt Ion: 106 Resp: 3433

Ion Ratio Lower Upper

106 100

91 197.2 164.5 246.7

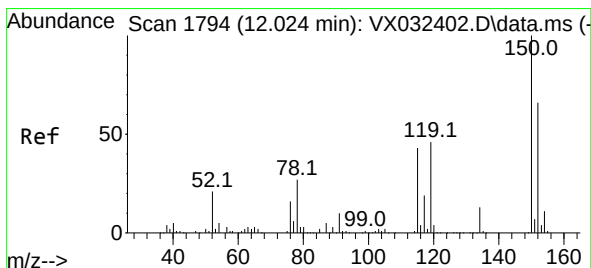
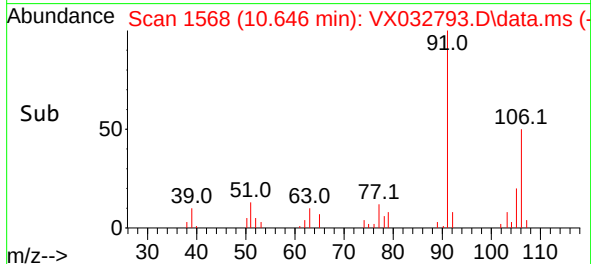
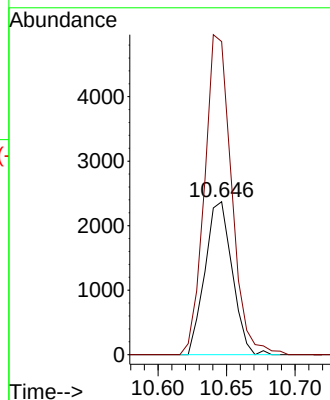
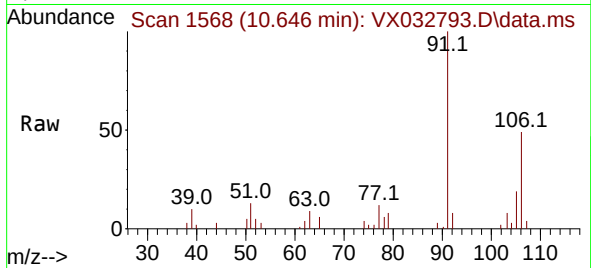




#69
o-Xylene
Concen: 1.560 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

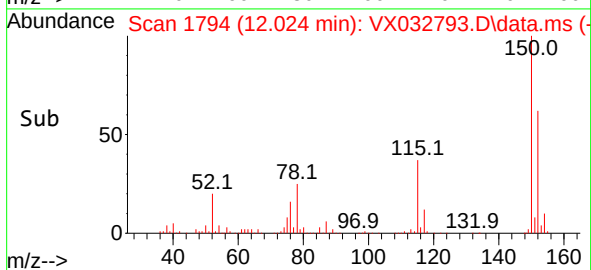
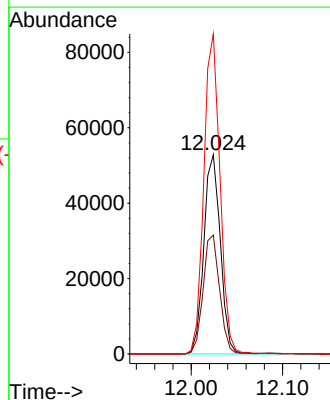
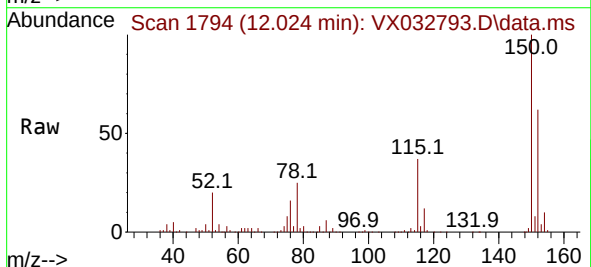
Instrument :
MSVOA_X
ClientSampleId :
MW-14D

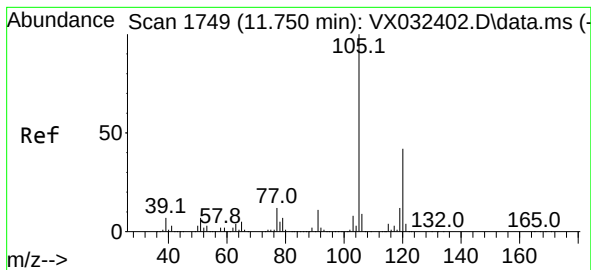
Tgt Ion:106 Resp: 3272
Ion Ratio Lower Upper
106 100
91 208.3 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032793.D
Acq: 14 Nov 2022 14:41

Tgt Ion:152 Resp: 66237
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 157.3 0.0 351.8





#84

1,2,4-Trimethylbenzene

Concen: 0.633 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032793.D

Acq: 14 Nov 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-14D

Tgt Ion:105 Resp: 2824

Ion Ratio Lower Upper

105 100

120 41.1 21.9 65.5

