

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029023.D
 Acq On : 27 May 2022 14:50
 Operator : JC/MD
 Sample : N2968-05DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: May 27 22:09:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

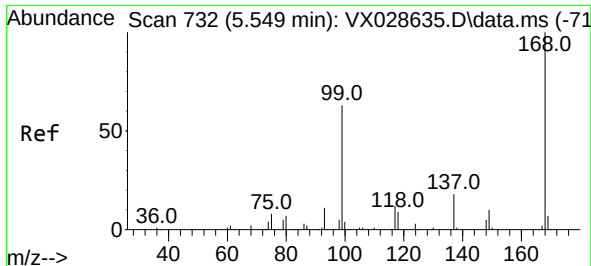
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	342327	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	611852	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	584307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	222677	47.454	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.900%		
35) Dibromofluoromethane	5.391	113	200518	50.020	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.040%		
50) Toluene-d8	8.653	98	725657	48.013	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.079	95	289194	51.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.460%		
Target Compounds						
5) Bromomethane	1.617	94	1499	Below Cal		97
6) Chloroethane	1.666	64	311	Below Cal	#	43
10) Methyl Iodide	2.459	142	1016	0.222	ug/l #	89
11) Tert butyl alcohol	2.953	59	31728	24.669	ug/l	96
16) Acetone	2.380	43	2440	1.212	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	16359	1.301	ug/l	100
20) Methylene Chloride	2.794	84	1316	0.311	ug/l	90
22) Diisopropyl ether	3.769	45	3053	0.251	ug/l #	86
36) 1,1-Dichloropropene	5.556	75	25657	4.261	ug/l #	50
38) Carbon Tetrachloride	5.550	117	34626	5.714	ug/l #	17
40) Benzene	6.043	78	359201	20.758	ug/l	99
42) 1,2-Dichloroethane	6.043	62	3222	0.505	ug/l #	73
52) Toluene	8.720	92	23581	2.118	ug/l	98
53) t-1,3-Dichloropropene	8.994	75	45	1.647	ug/l #	43
67) Ethyl Benzene	10.195	91	131254	5.908	ug/l	100
68) m/p-Xylenes	10.305	106	66860	7.729	ug/l	97
69) o-Xylene	10.646	106	38010	4.463	ug/l	97
73) Isopropylbenzene	10.963	105	7393	0.349	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	140376	21.467	ug/l #	38
78) n-propylbenzene	11.305	91	16212	0.662	ug/l	98
79) 2-Chlorotoluene	11.378	91	4642	0.309	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.451	105	12153	0.689	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	140376	62.954	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	76289	4.312	ug/l	99
85) sec-Butylbenzene	11.756	105	76289	3.620	ug/l #	56
90) Hexachloroethane	12.646	117	1366	0.478	ug/l #	10
95) Naphthalene	13.780	128	46451	2.341	ug/l	100

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

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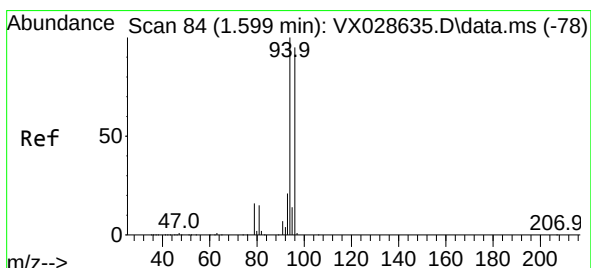
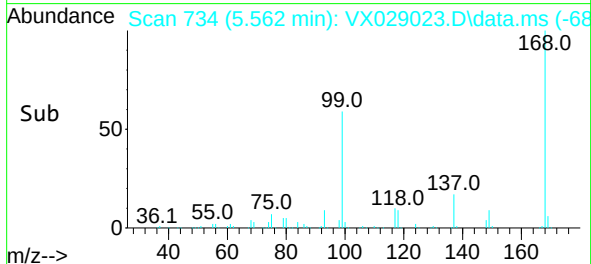
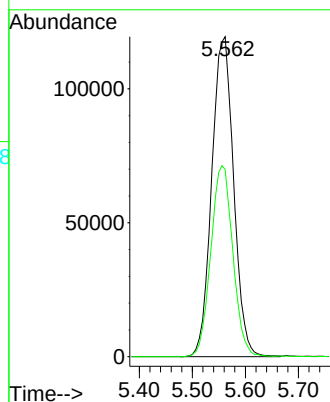
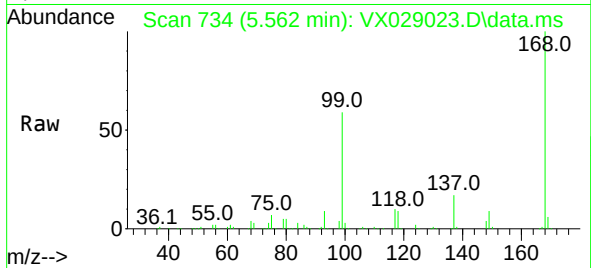




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.013 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

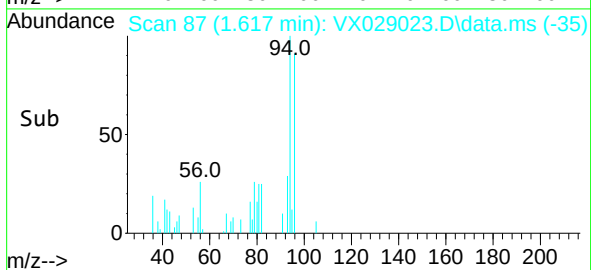
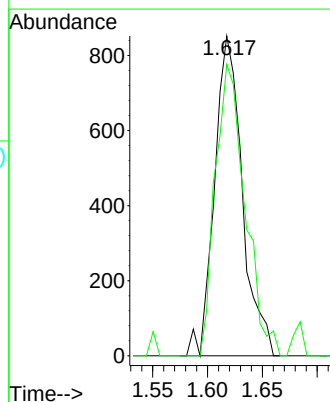
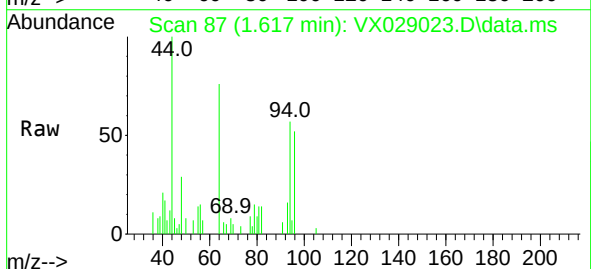
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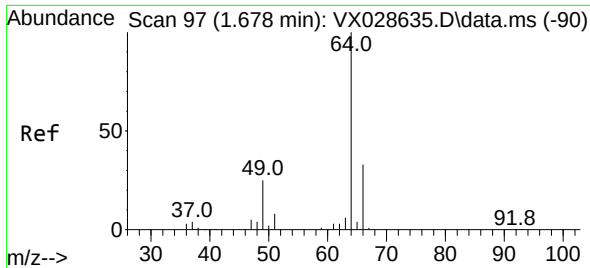
Tgt Ion:168 Resp: 342327
Ion Ratio Lower Upper
168 100
99 58.5 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 94 Resp: 1499
Ion Ratio Lower Upper
94 100
96 91.1 75.3 112.9

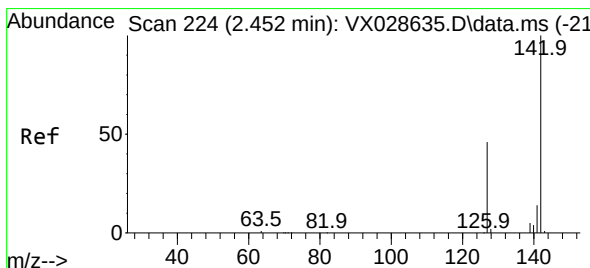
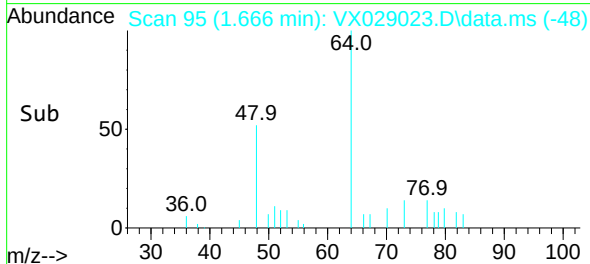
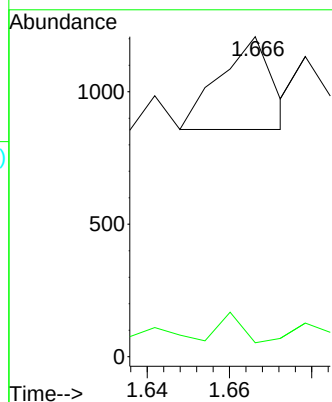
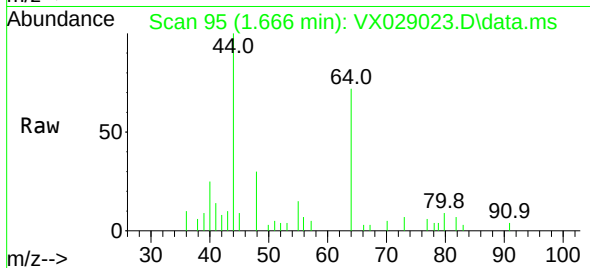




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

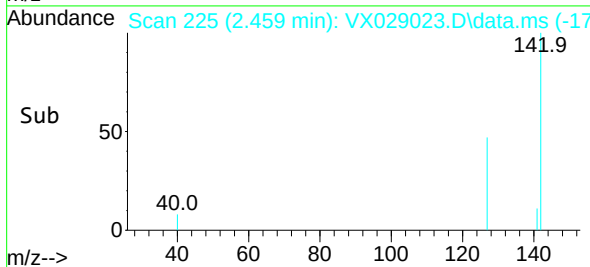
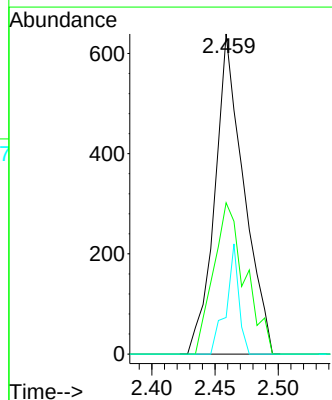
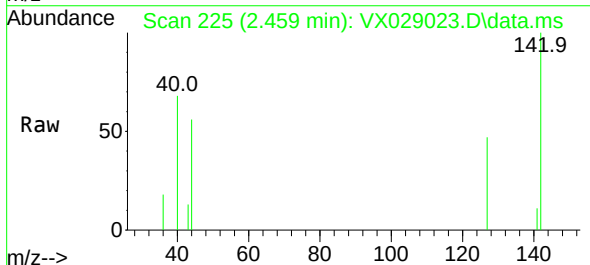
Instrument :
MSVOA_X
ClientSampleId :
MW-27

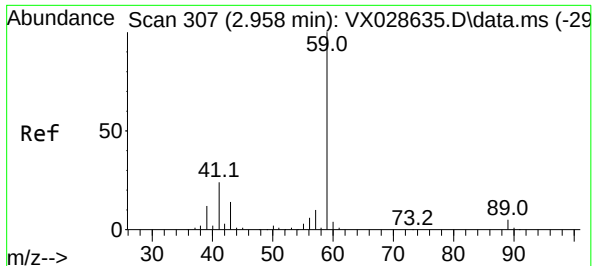
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 142 Resp: 1016
Ion Ratio Lower Upper
142 100
127 51.5 33.9 50.9#
141 14.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 24.669 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

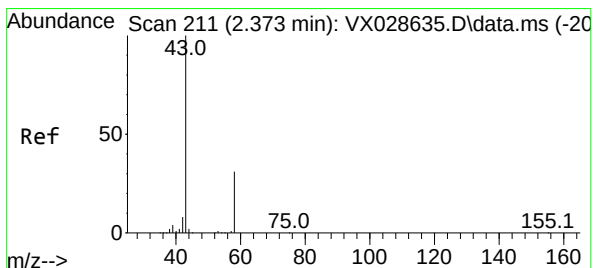
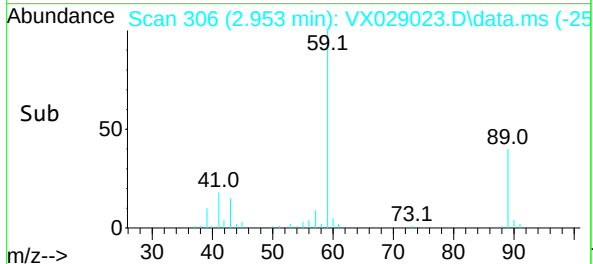
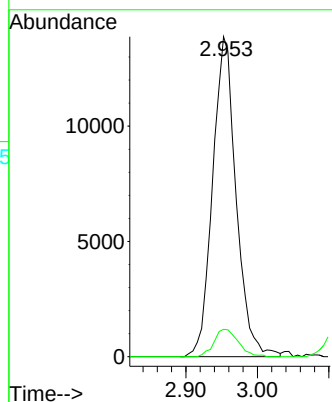
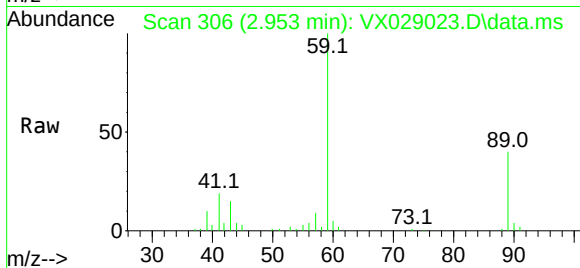
MW-27

Tgt Ion: 59 Resp: 31728

Ion Ratio Lower Upper

59 100

57 8.8 8.3 12.5



#16

Acetone

Concen: 1.212 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029023.D

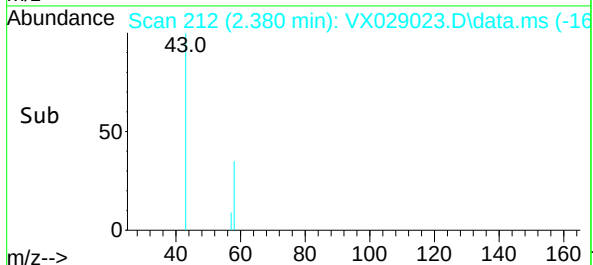
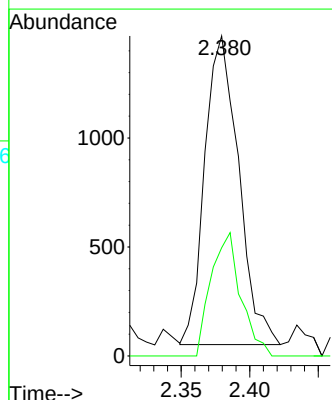
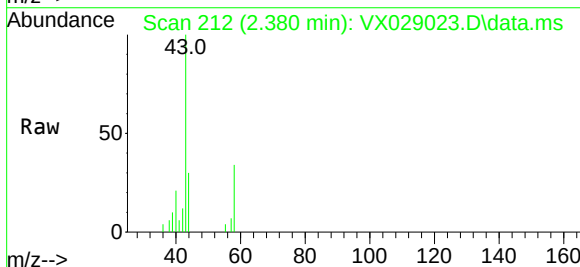
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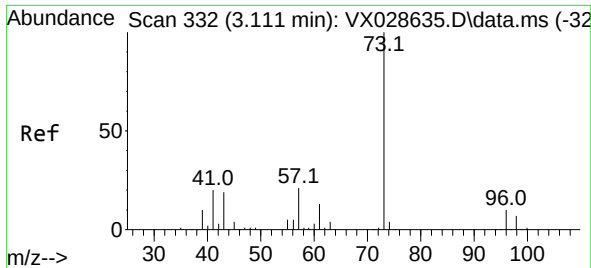
Tgt Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

58 35.0 28.8 43.2

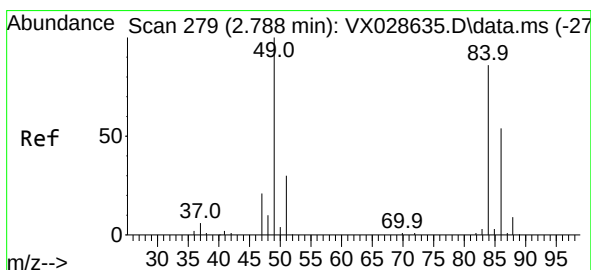
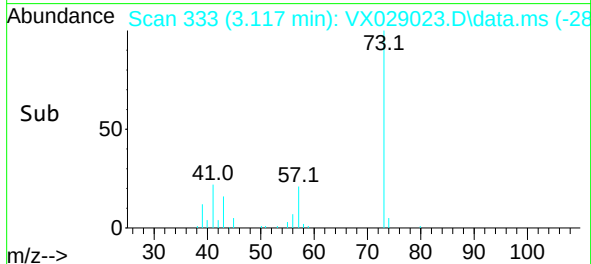
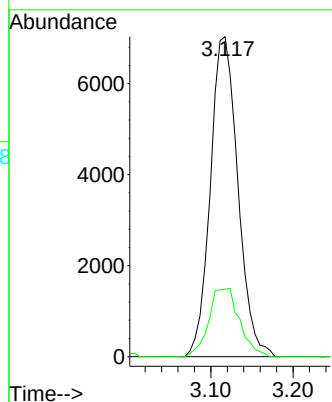
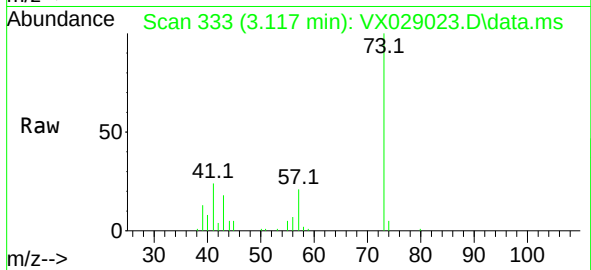




#19
Methyl tert-butyl Ether
Concen: 1.301 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

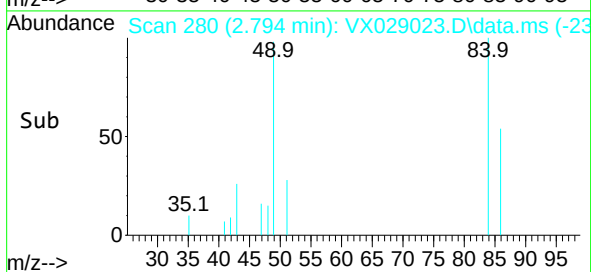
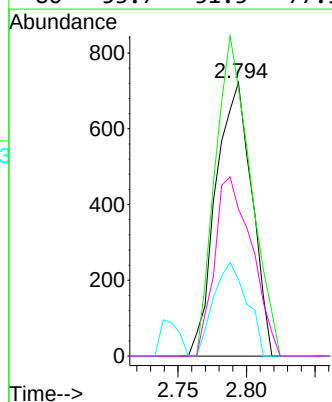
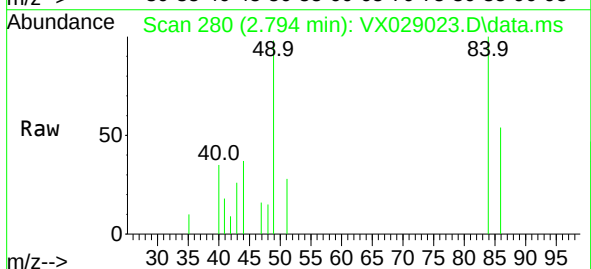
Instrument :
MSVOA_X
ClientSampleId :
MW-27

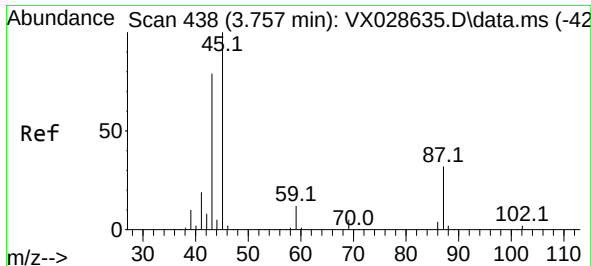
Tgt Ion: 73 Resp: 16359
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 84 Resp: 1316
Ion Ratio Lower Upper
84 100
49 98.1 85.5 128.3
51 28.1 26.6 39.8
86 53.7 51.5 77.3

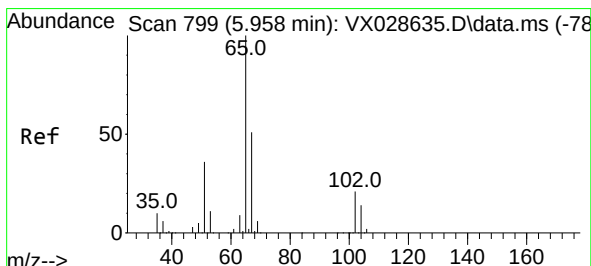
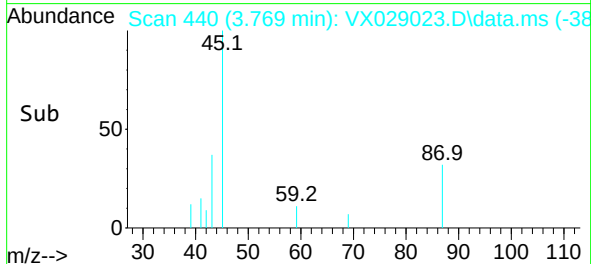
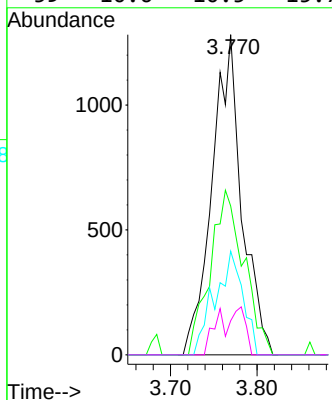
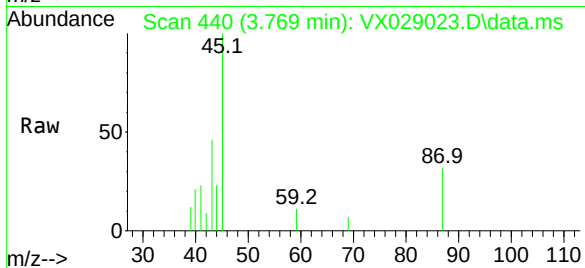




#22
Diisopropyl ether
Concen: 0.251 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.012 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

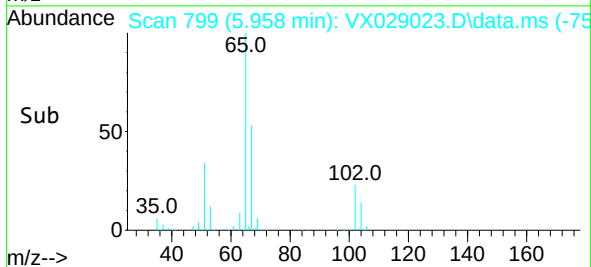
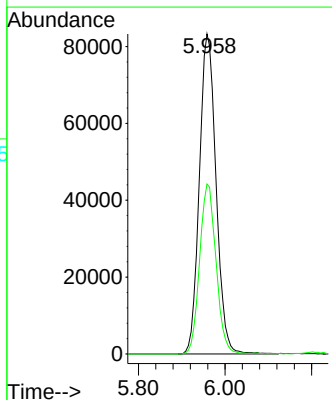
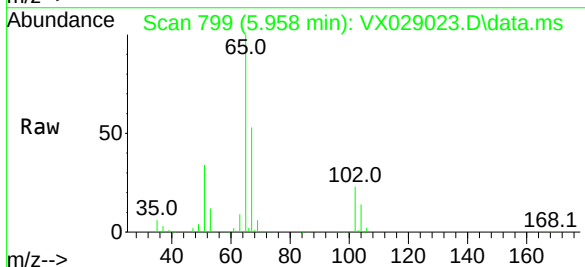
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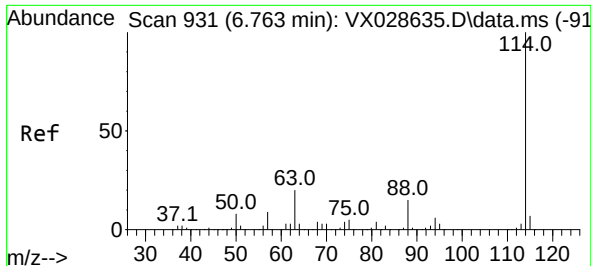
Tgt Ion: 45	Resp: 3053
Ion Ratio	Lower Upper
45 100	
43 46.5	50.8 76.2#
87 32.4	26.6 39.8
59 10.6	10.5 15.7



#33
1,2-Dichloroethane-d4
Concen: 47.454 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 65	Resp: 222677
Ion Ratio	Lower Upper
65 100	
67 52.2	0.0 107.4

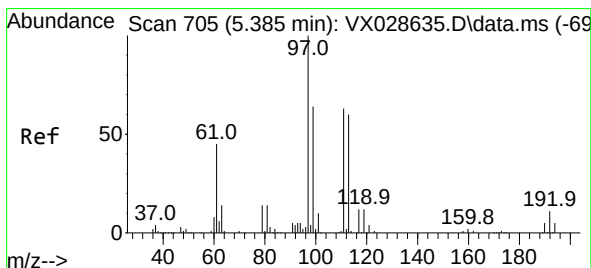
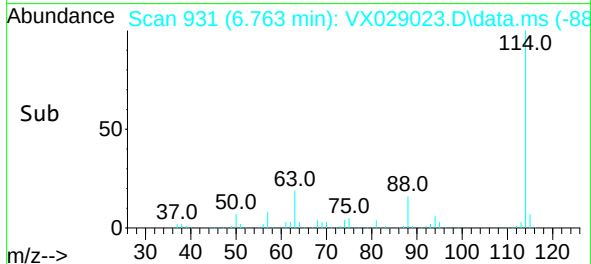
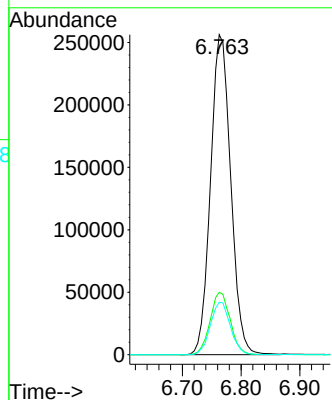
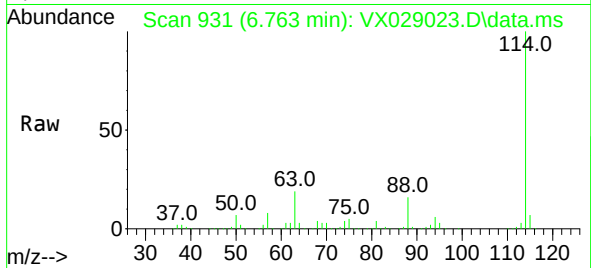




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

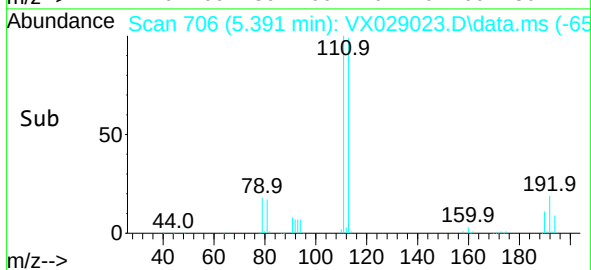
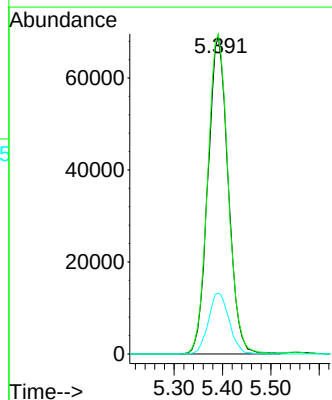
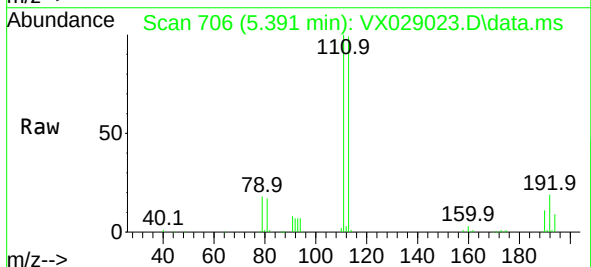
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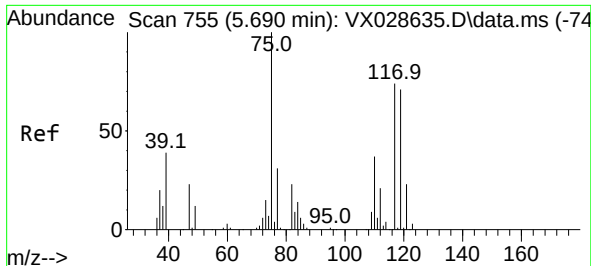
Tgt Ion:114 Resp: 611852
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.020 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion:113 Resp: 200518
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.261 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-27

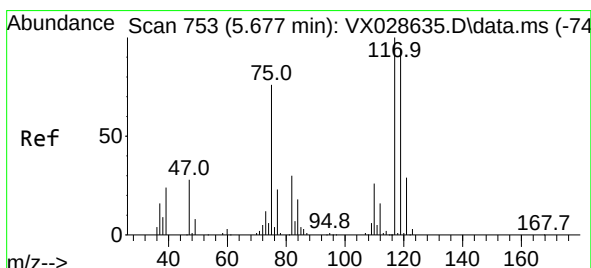
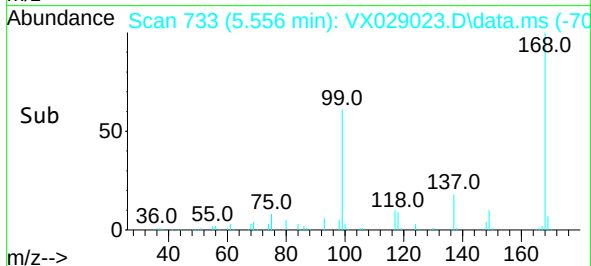
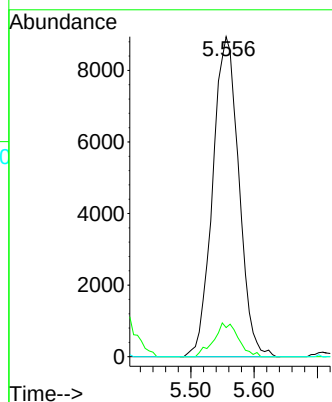
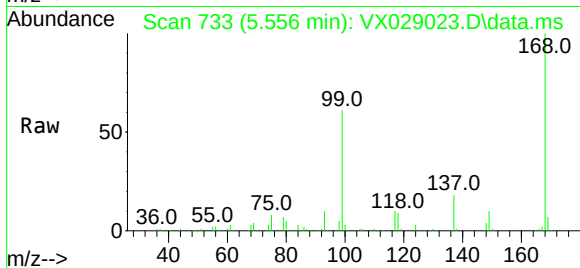
Tgt Ion: 75 Resp: 25657

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.714 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

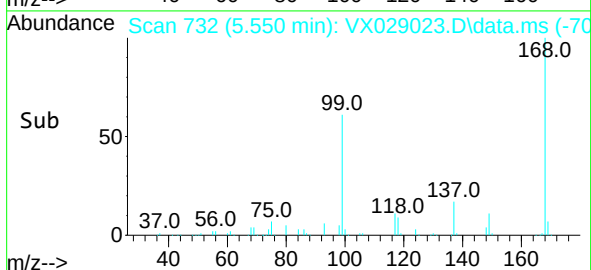
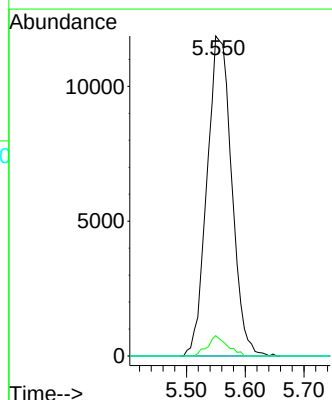
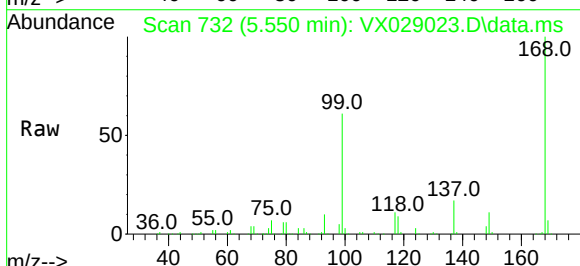
Tgt Ion: 117 Resp: 34626

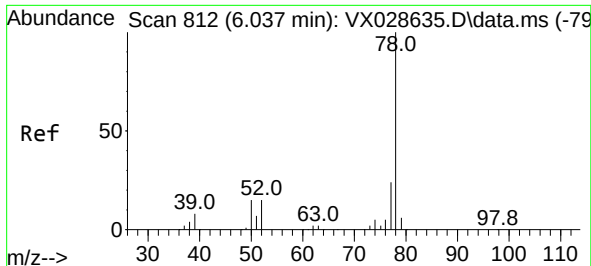
Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 24.2 36.2#

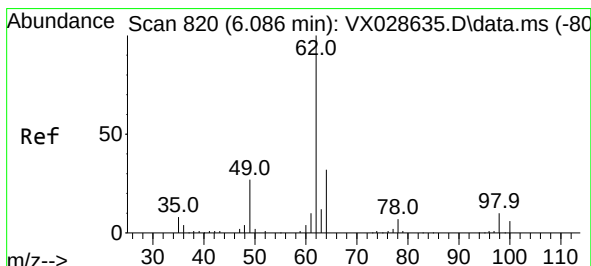
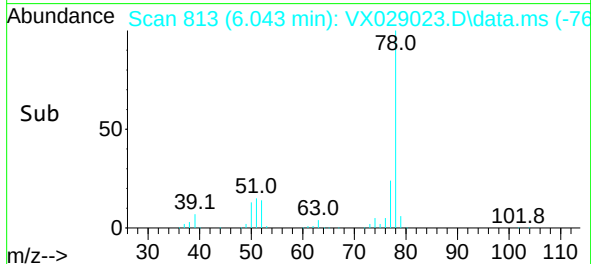
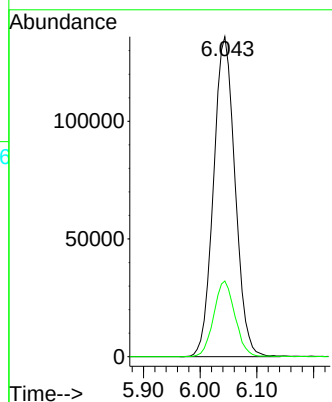
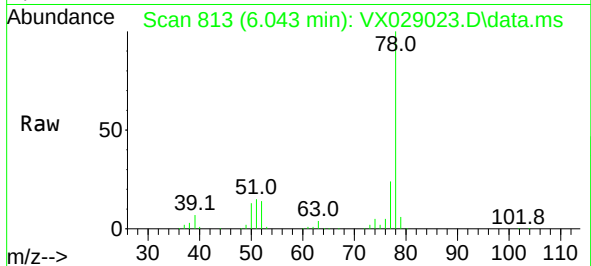




#40
Benzene
Concen: 20.758 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

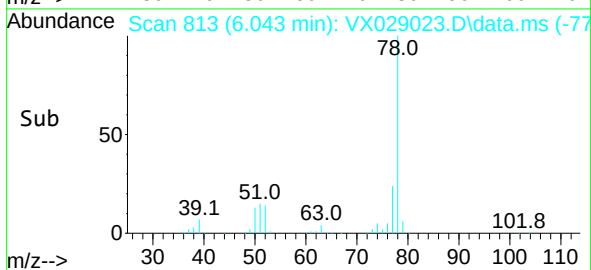
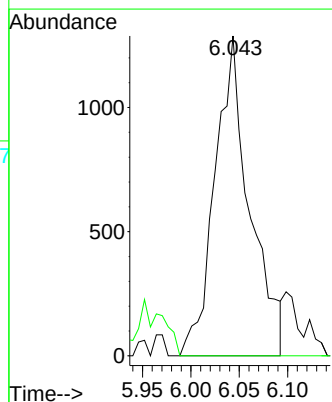
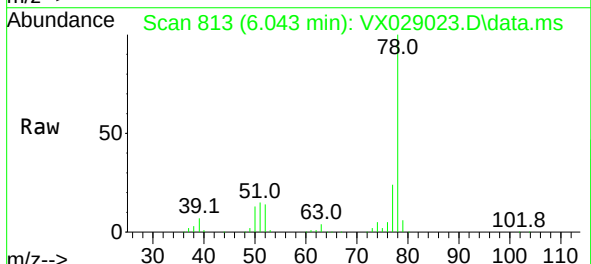
Instrument :
MSVOA_X
ClientSampleId :
MW-27

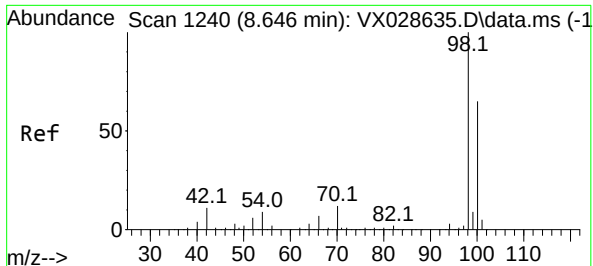
Tgt Ion: 78 Resp: 359201
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9



#42
1,2-Dichloroethane
Concen: 0.505 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.043 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 62 Resp: 3222
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

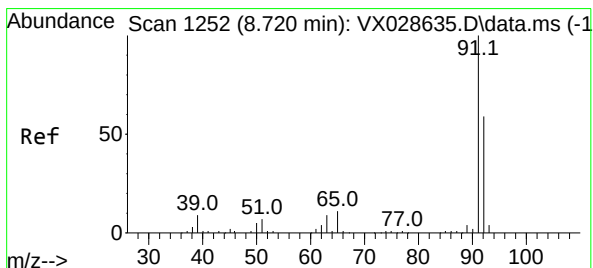
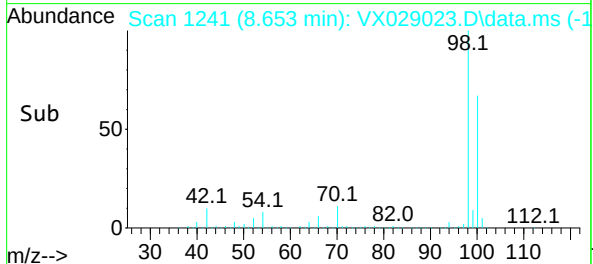
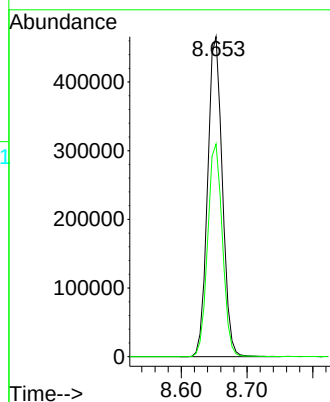
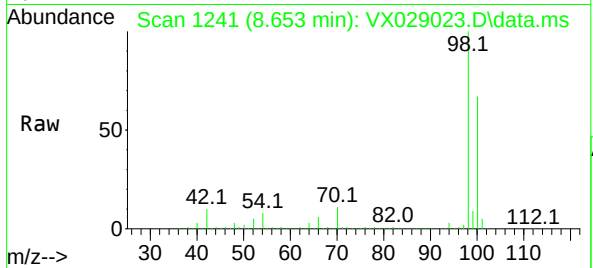




#50
Toluene-d8
Concen: 48.013 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

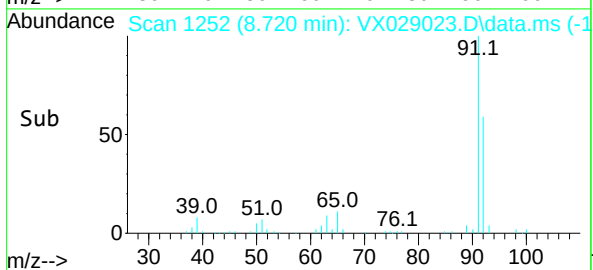
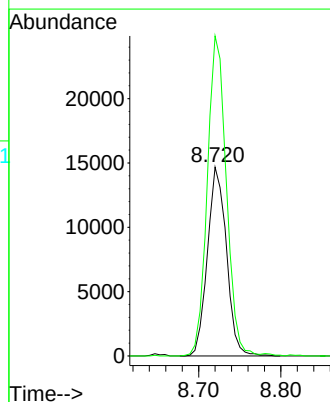
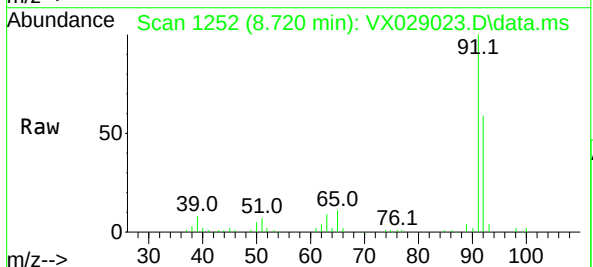
Instrument :
MSVOA_X
ClientSampleId :
MW-27

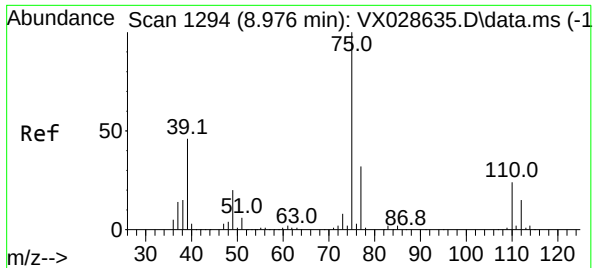
Tgt Ion: 98 Resp: 725657
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#52
Toluene
Concen: 2.118 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 92 Resp: 23581
Ion Ratio Lower Upper
92 100
91 169.2 137.5 206.3

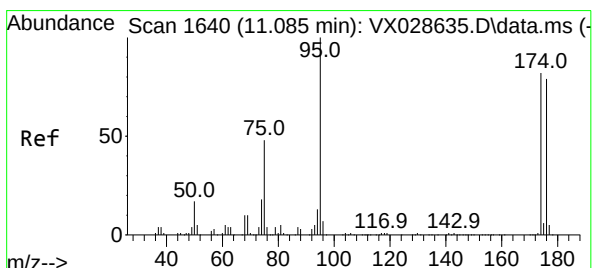
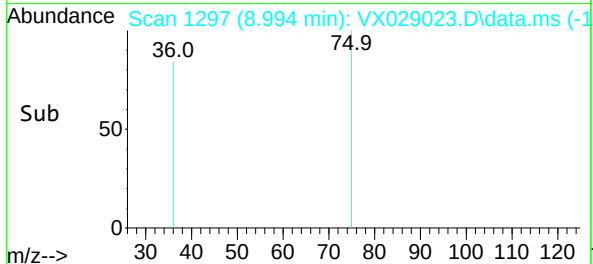
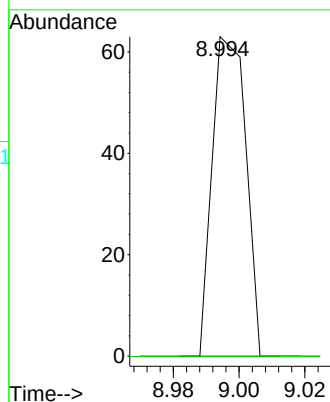
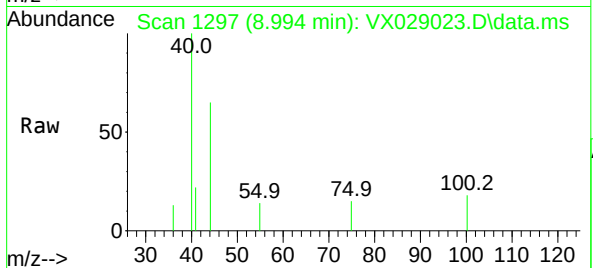




#53
t-1,3-Dichloropropene
Concen: 1.647 ug/l
RT: 8.994 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

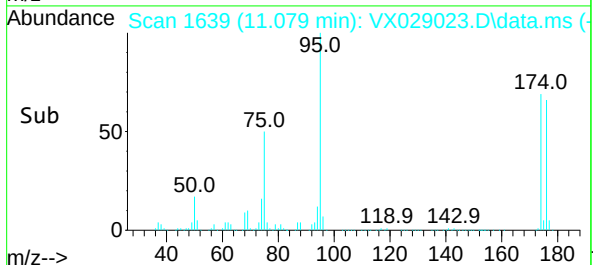
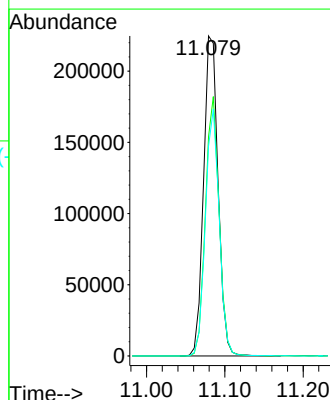
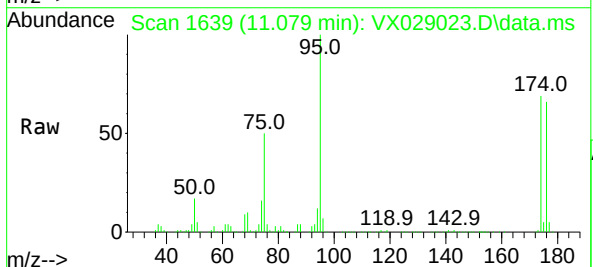
Instrument :
MSVOA_X
ClientSampleId :
MW-27

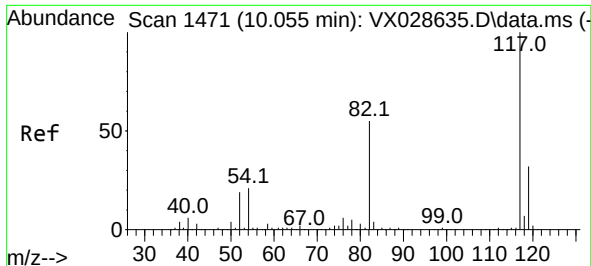
Tgt Ion: 75 Resp: 45
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 51.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 95 Resp: 289194
Ion Ratio Lower Upper
95 100
174 76.4 0.0 163.0
176 73.7 0.0 155.0

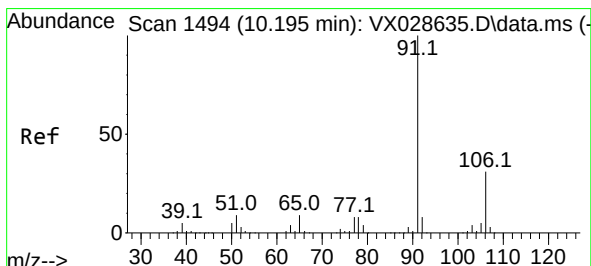
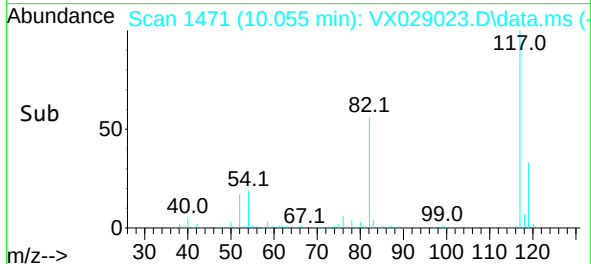
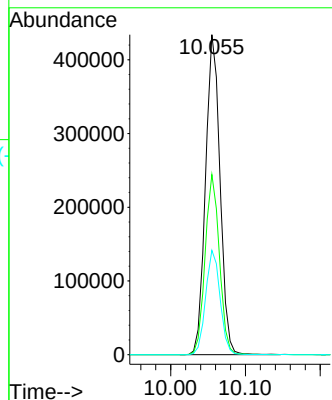
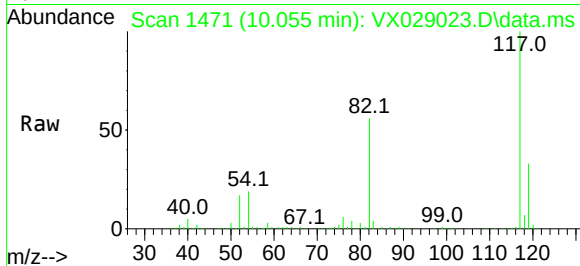




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

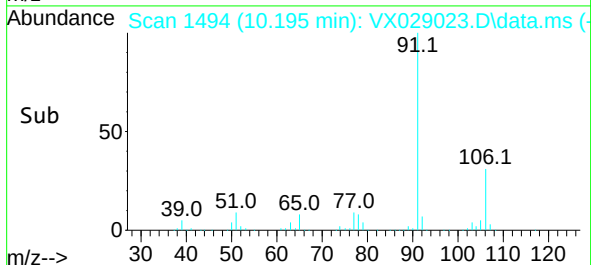
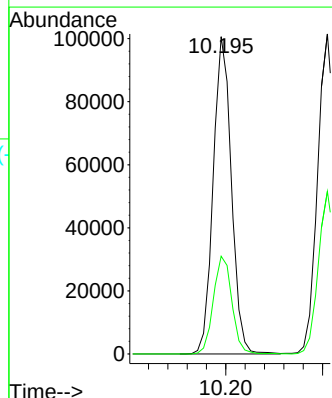
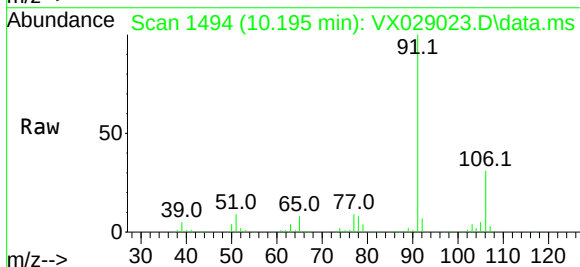
Instrument :
MSVOA_X
ClientSampleId :
MW-27

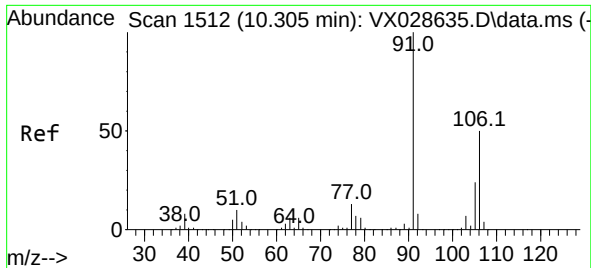
Tgt Ion:117 Resp: 584307
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 32.6 24.8 37.2



#67
Ethyl Benzene
Concen: 5.908 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 91 Resp: 131254
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

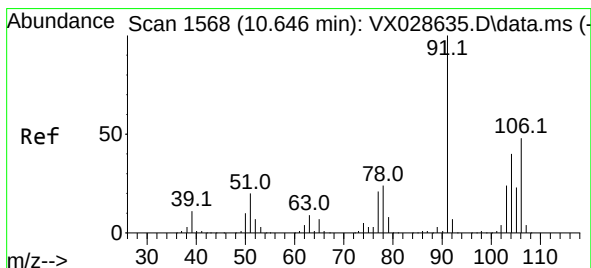
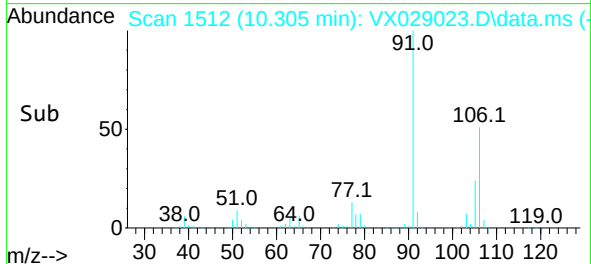
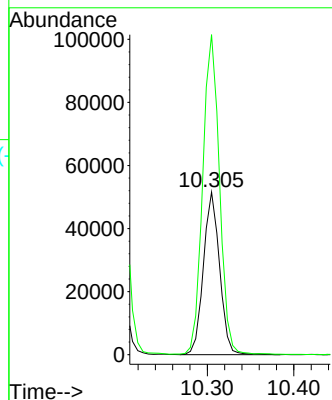
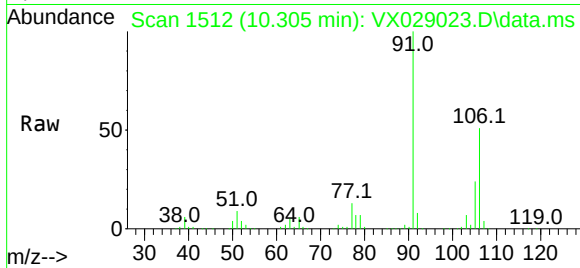




#68
m/p-Xylenes
Concen: 7.729 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

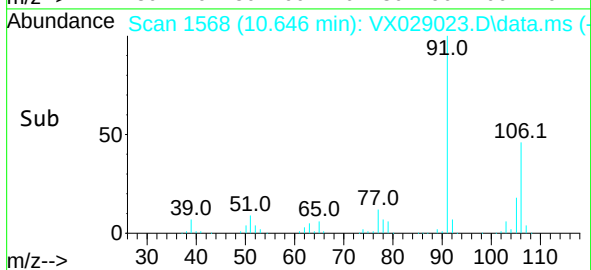
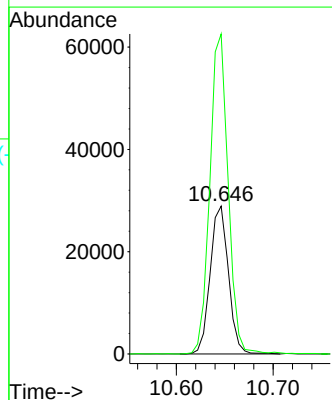
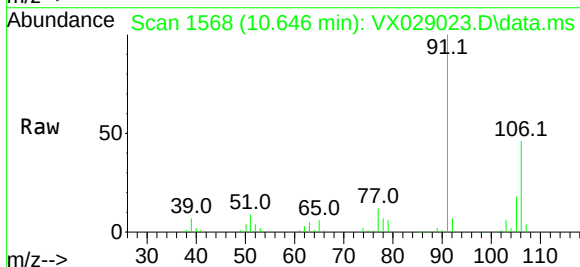
Instrument :
MSVOA_X
ClientSampleId :
MW-27

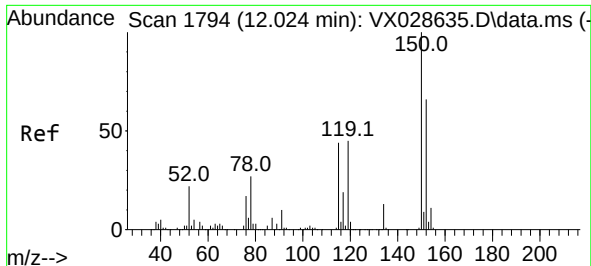
Tgt Ion:106 Resp: 66860
Ion Ratio Lower Upper
106 100
91 204.9 160.4 240.6



#69
o-Xylene
Concen: 4.463 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion:106 Resp: 38010
Ion Ratio Lower Upper
106 100
91 217.2 106.1 318.1

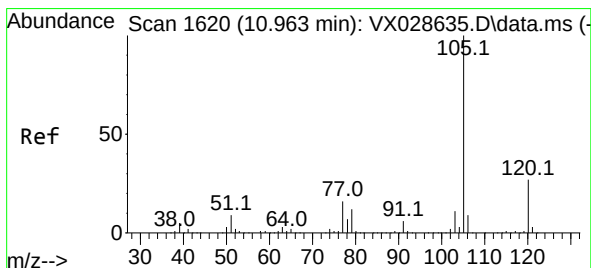
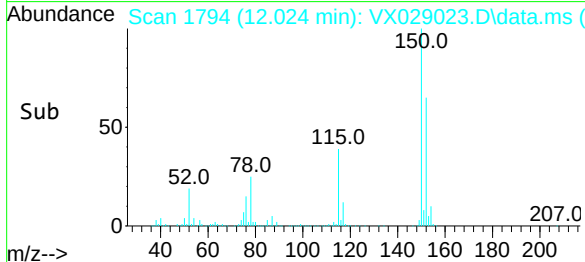
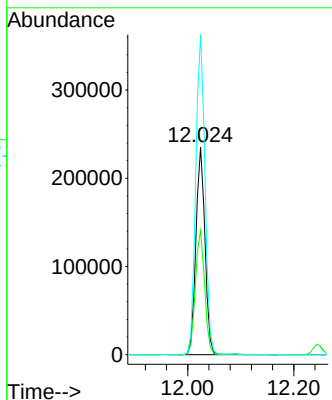
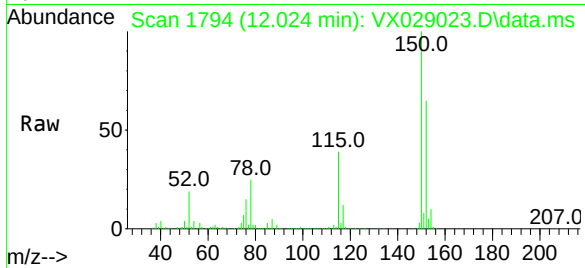




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

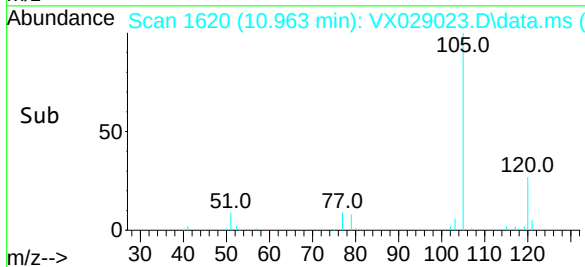
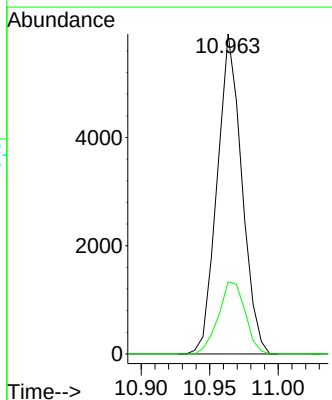
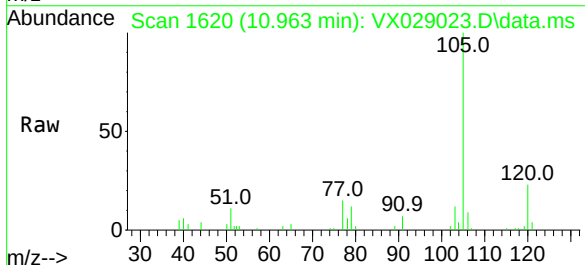
Instrument :
MSVOA_X
ClientSampleId :
MW-27

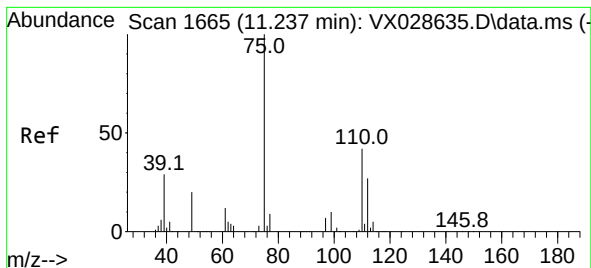
Tgt Ion:152 Resp: 279227
Ion Ratio Lower Upper
152 100
115 61.1 37.5 112.7
150 157.1 0.0 338.2



#73
Isopropylbenzene
Concen: 0.349 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion:105 Resp: 7393
Ion Ratio Lower Upper
105 100
120 24.5 13.5 40.5





#76

1,2,3-Trichloropropane

Concen: 21.467 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX029023.D

Acq: 27 May 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

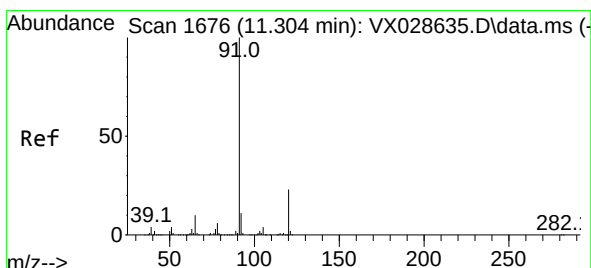
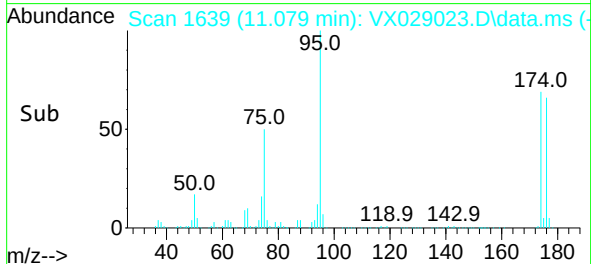
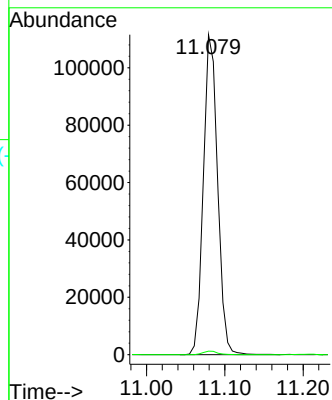
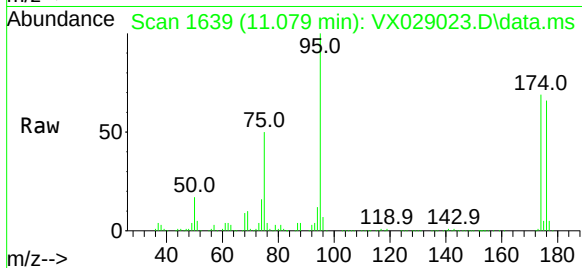
MW-27

Tgt Ion: 75 Resp: 140376

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#78

n-propylbenzene

Concen: 0.662 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX029023.D

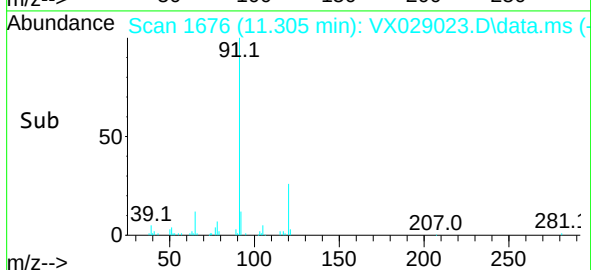
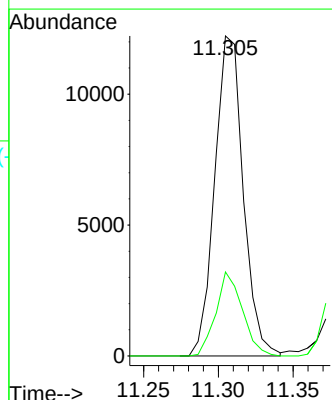
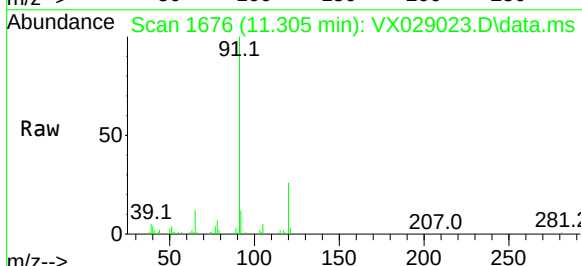
Acq: 27 May 2022 14:50

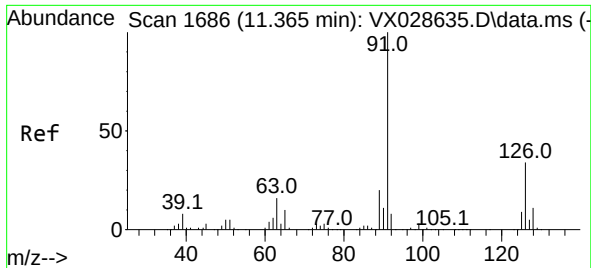
Tgt Ion: 91 Resp: 16212

Ion Ratio Lower Upper

91 100

120 24.4 11.6 34.8

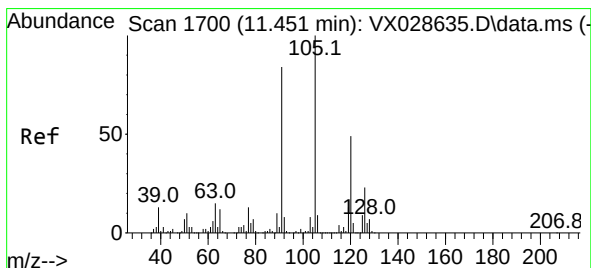
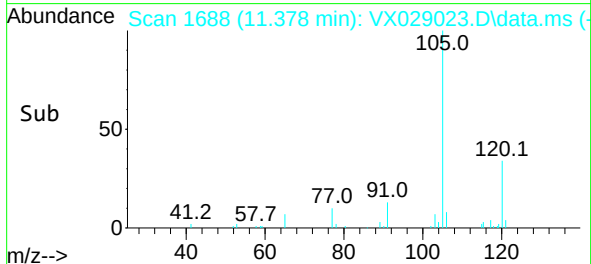
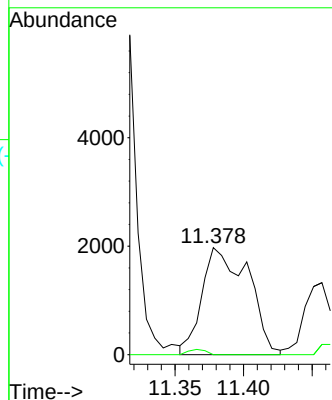
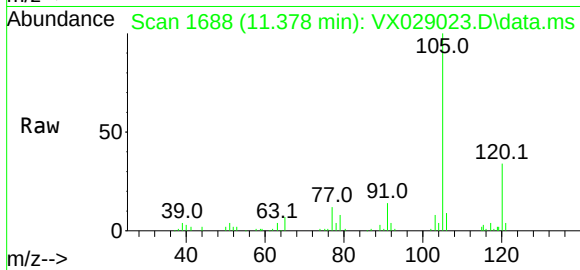




#79
2-Chlorotoluene
Concen: 0.309 ug/l
RT: 11.378 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

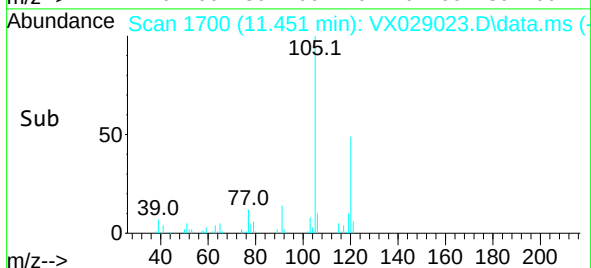
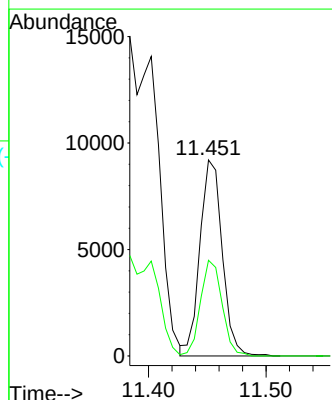
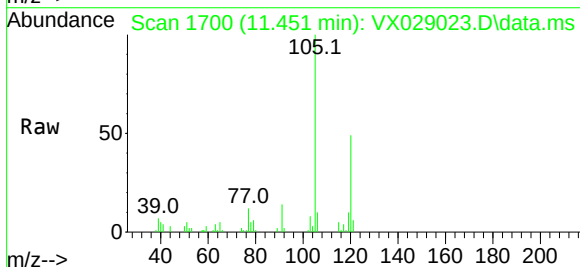
Instrument :
MSVOA_X
ClientSampleId :
MW-27

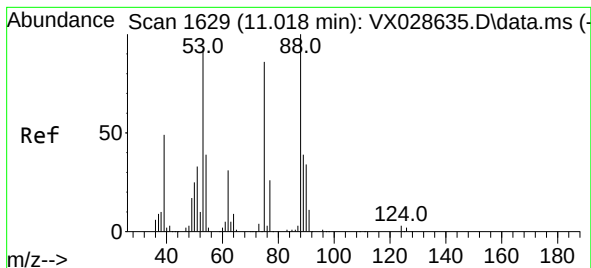
Tgt Ion: 91 Resp: 4642
Ion Ratio Lower Upper
91 100
126 1.9 17.3 51.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.689 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 105 Resp: 12153
Ion Ratio Lower Upper
105 100
120 47.0 24.3 72.9

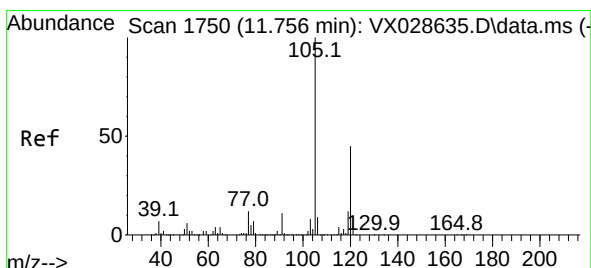
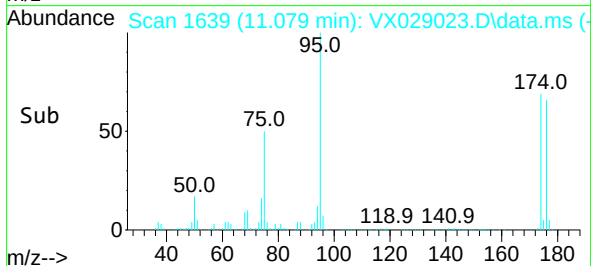
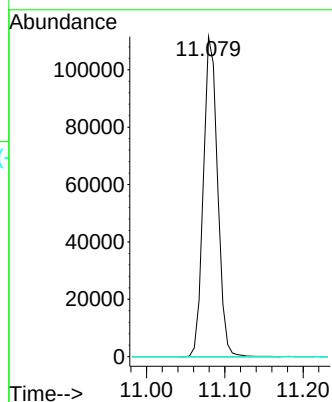
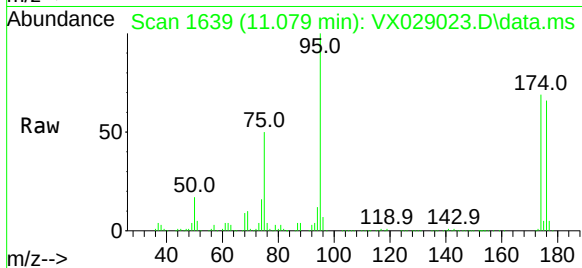




#81
trans-1,4-Dichloro-2-butene
Concen: 62.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

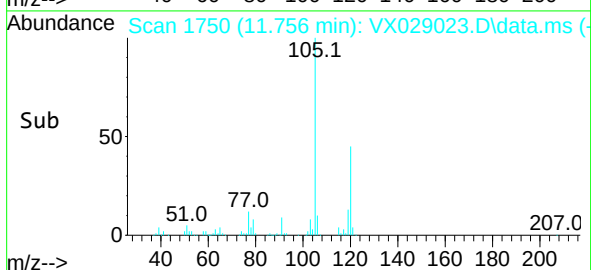
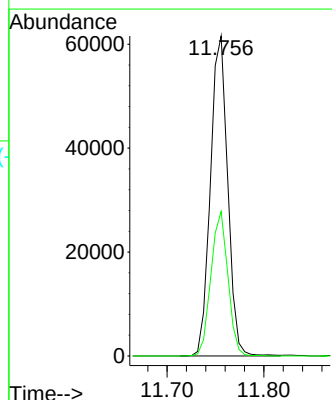
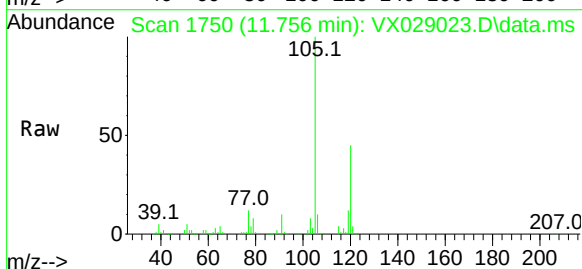
Instrument :
MSVOA_X
ClientSampleId :
MW-27

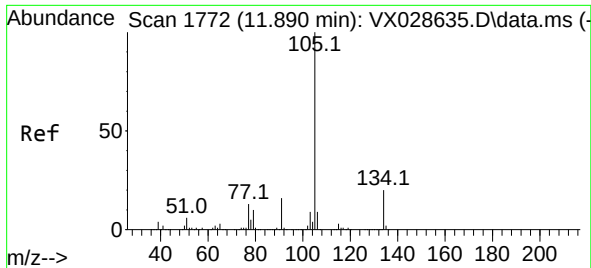
Tgt Ion: 75 Resp: 140376
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 4.312 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Tgt Ion: 105 Resp: 76289
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.8

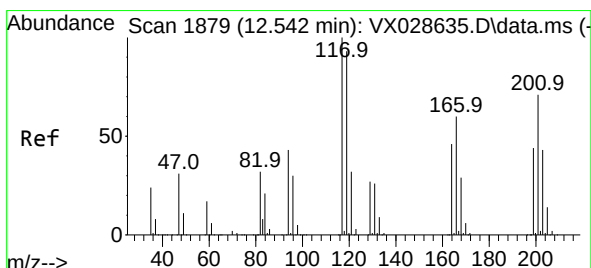
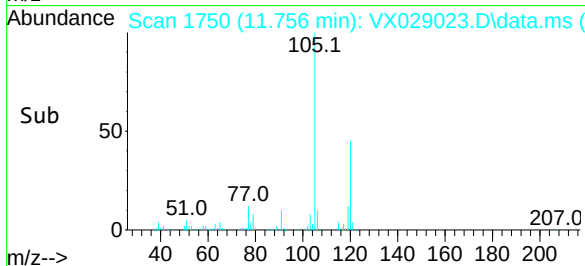
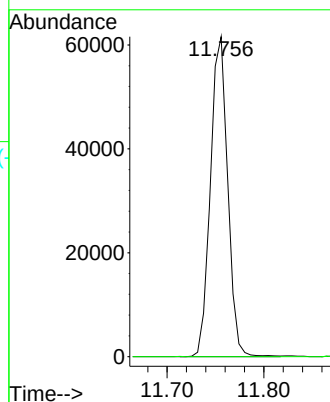
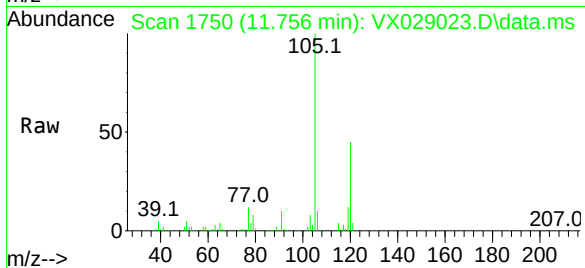




#85
 sec-Butylbenzene
 Concen: 3.620 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX029023.D
 Acq: 27 May 2022 14:50

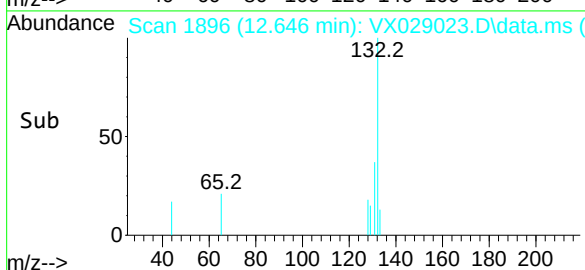
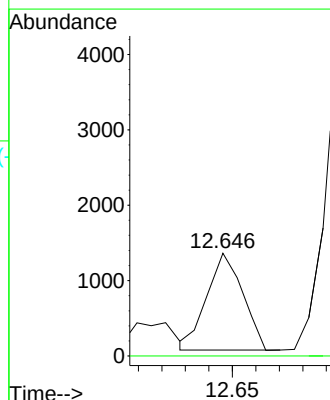
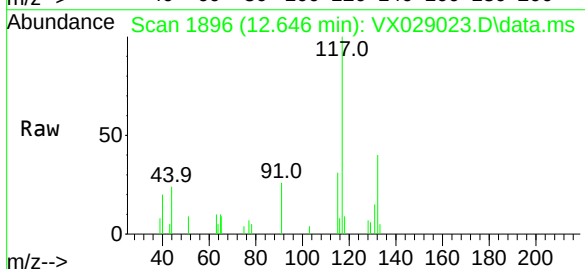
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

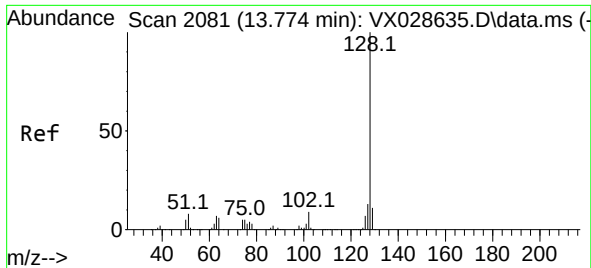
Tgt Ion:105 Resp: 76289
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#90
 Hexachloroethane
 Concen: 0.478 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.104 min
 Lab File: VX029023.D
 Acq: 27 May 2022 14:50

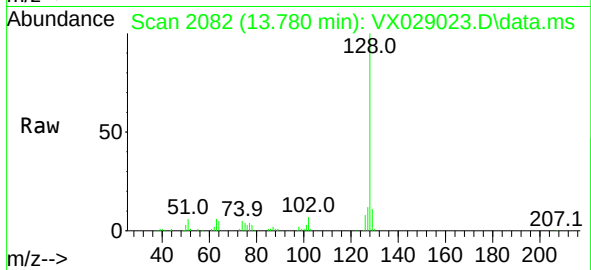
Tgt Ion:117 Resp: 1366
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 2.341 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029023.D
Acq: 27 May 2022 14:50

Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion:	128	Resp:	46451
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.7	13.1

