

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030306.D
 Acq On : 29 Jul 2022 16:32
 Operator : JC/MD
 Sample : N3861-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

Quant Time: Aug 01 05:15:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

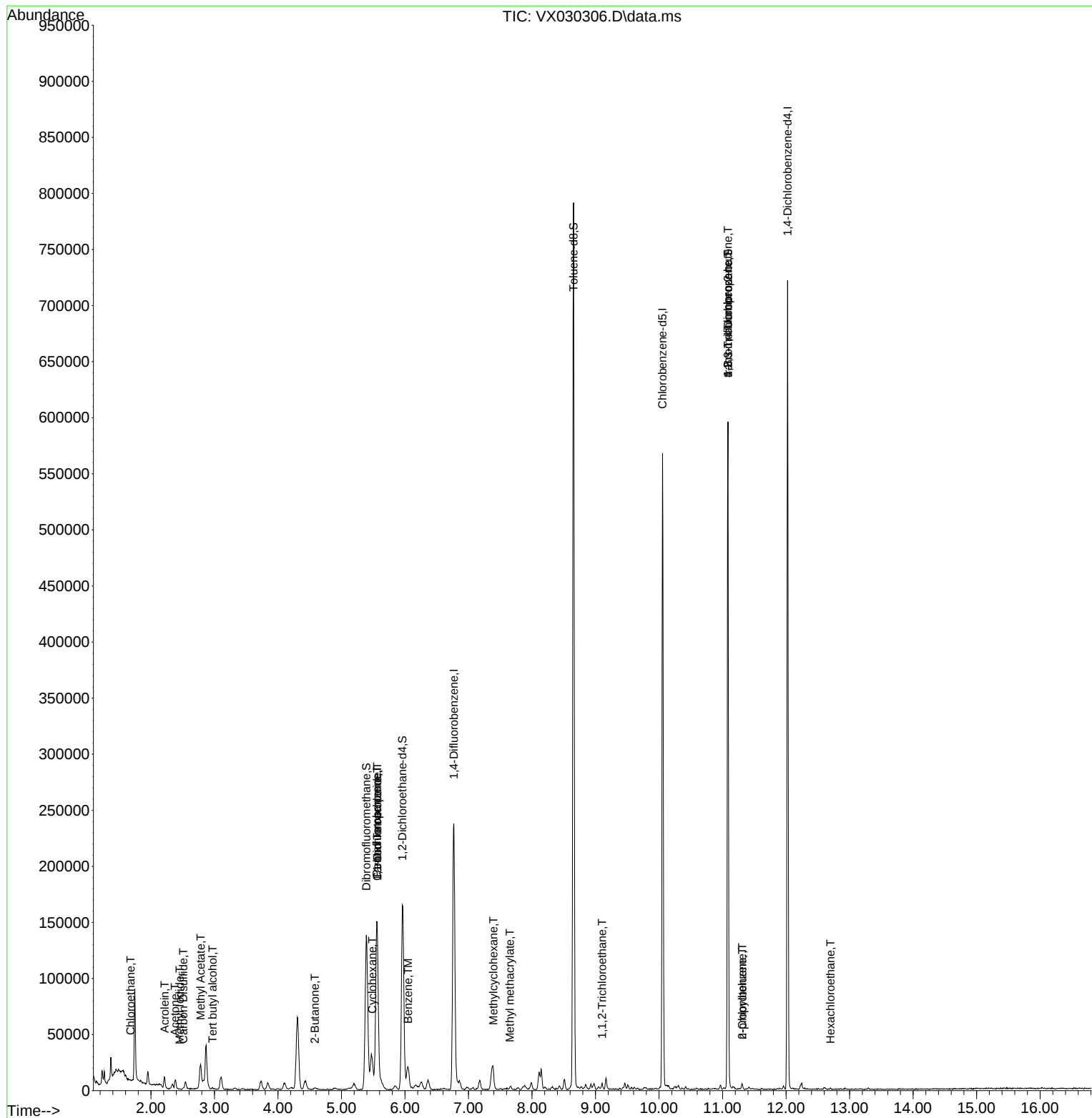
Internal Standards						
1) Pentafluorobenzene	5.556	168	138383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153766	55.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.560%			
35) Dibromofluoromethane	5.391	113	121200	51.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	8.653	98	457482	50.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.200%			
62) 4-Bromofluorobenzene	11.085	95	161658	48.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.360%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	331	Below Cal		96
6) Chloroethane	1.679	64	3594	2.762 ug/l #		41
10) Methyl Iodide	2.453	142	198	1.614 ug/l #		69
11) Tert butyl alcohol	2.971	59	1460	2.152 ug/l #		74
13) Acrolein	2.215	56	408	2.447 ug/l #		1
16) Acetone	2.380	43	9303	6.533 ug/l		95
17) Carbon Disulfide	2.508	76	1727	0.296 ug/l #		90
18) Methyl Acetate	2.782	43	15638	3.713 ug/l #		51
20) Methylene Chloride	2.794	84	453	Below Cal #		87
25) 2-Butanone	4.580	43	1224	0.512 ug/l		93
31) Cyclohexane	5.483	56	20972	5.193 ug/l #		86
36) 1,1-Dichloropropene	5.562	75	11551	3.438 ug/l #		48
38) Carbon Tetrachloride	5.562	117	14225	4.535 ug/l #		16
39) Methylcyclohexane	7.391	83	7912	1.824 ug/l		92
40) Benzene	6.050	78	24984	2.363 ug/l		97
48) Methyl methacrylate	7.653	41	824	0.240 ug/l #		59
55) 1,1,2-Trichloroethane	9.104	97	1580	0.575 ug/l #		15
67) Ethyl Benzene	10.195	91	347	Below Cal		94
76) 1,2,3-Trichloropropane	11.085	75	81762	22.421 ug/l #		38
78) n-propylbenzene	11.311	91	3124	0.242 ug/l		100
79) 2-Chlorotoluene	11.311	91	3124	0.384 ug/l #		40
81) trans-1,4-Dichloro-2-b...	11.085	75	81762	67.260 ug/l #		13
90) Hexachloroethane	12.701	117	429	0.271 ug/l #		16

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

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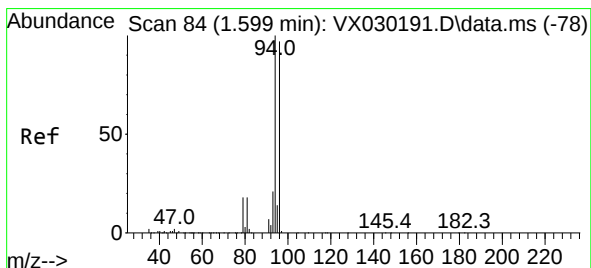
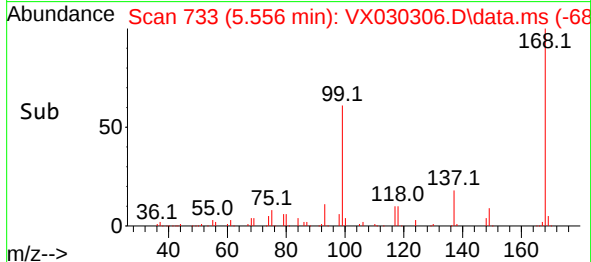
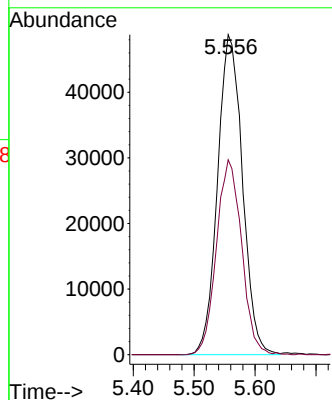
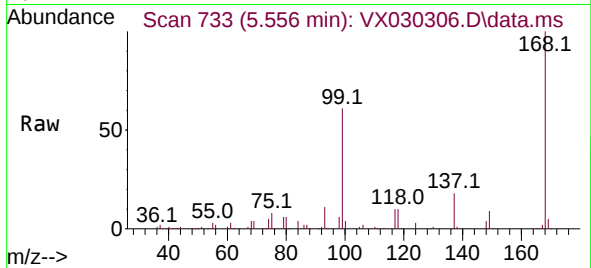




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

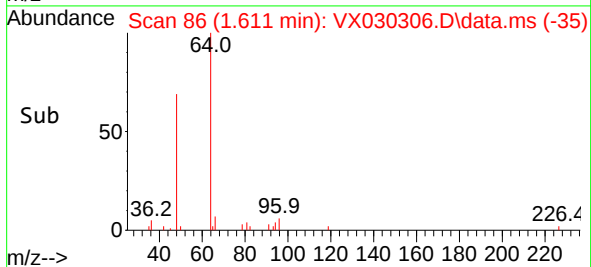
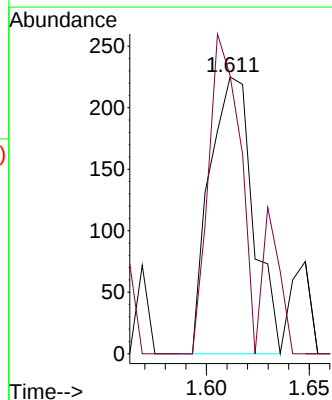
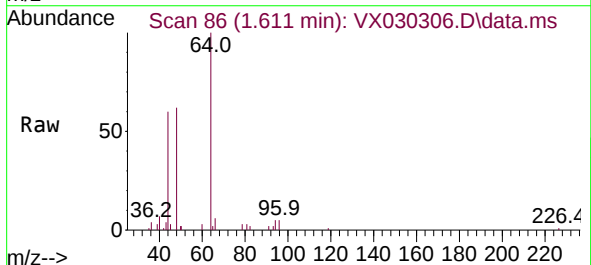
Instrument :
MSVOA_X
ClientSampleId :
MW-17

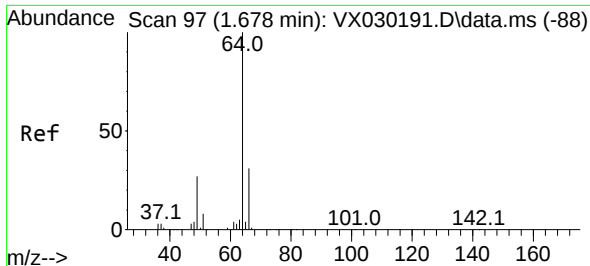
Tgt Ion:168 Resp: 138383
Ion Ratio Lower Upper
168 100
99 60.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 94 Resp: 331
Ion Ratio Lower Upper
94 100
96 100.4 76.9 115.3

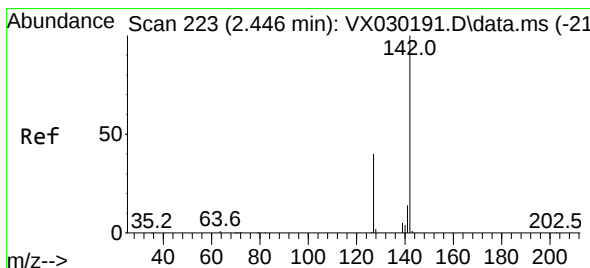
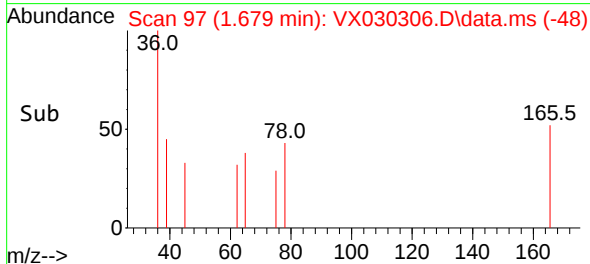
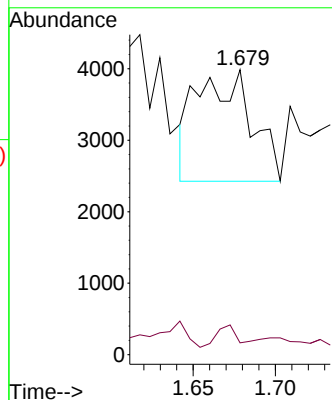
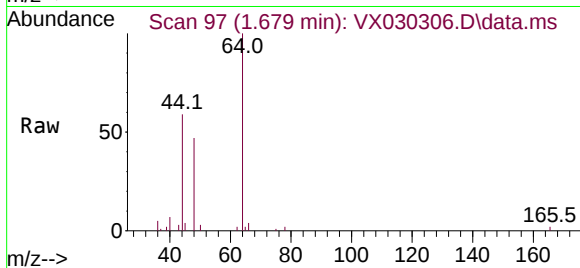




#6
Chloroethane
Concen: 2.762 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

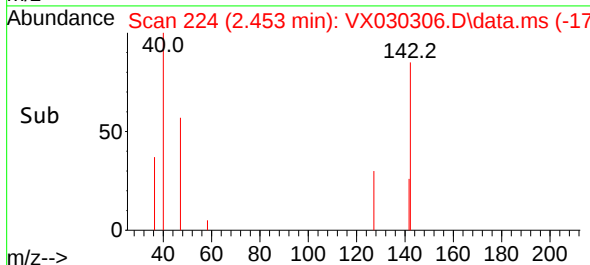
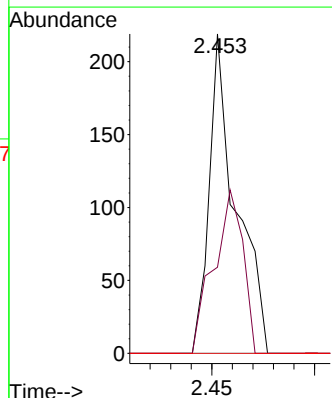
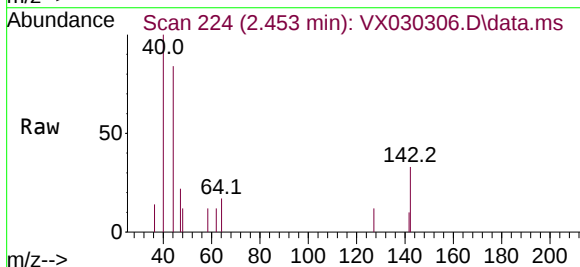
Instrument :
MSVOA_X
ClientSampleId :
MW-17

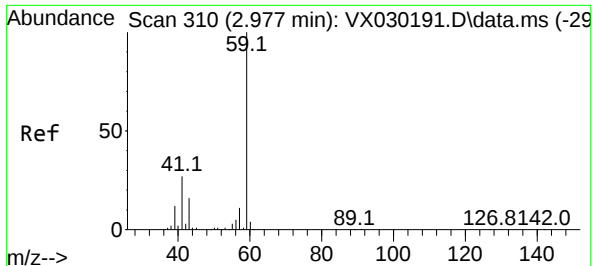
Tgt Ion: 64 Resp: 3594
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.614 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 142 Resp: 198
Ion Ratio Lower Upper
142 100
127 55.6 30.2 45.2#
141 0.0 11.3 16.9#

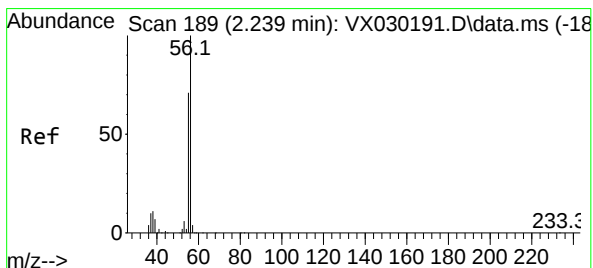
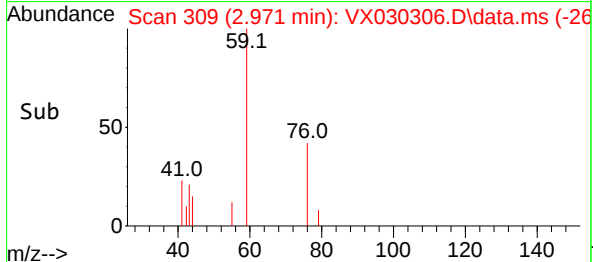
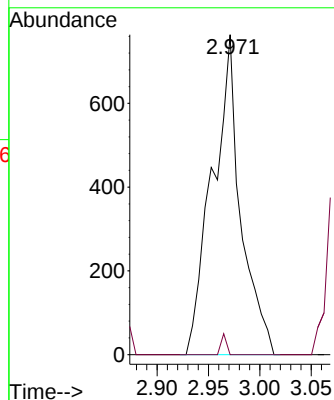
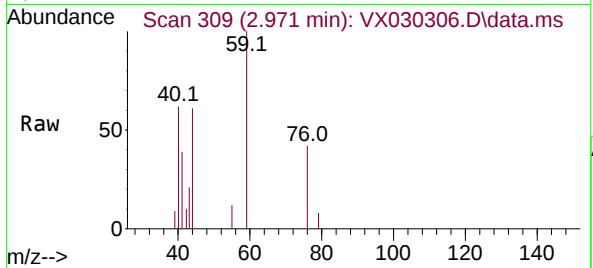




#11
Tert butyl alcohol
Concen: 2.152 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

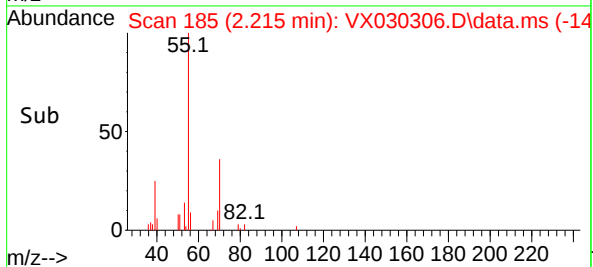
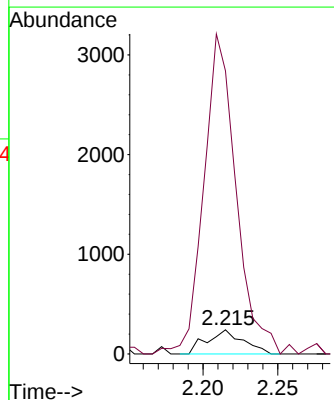
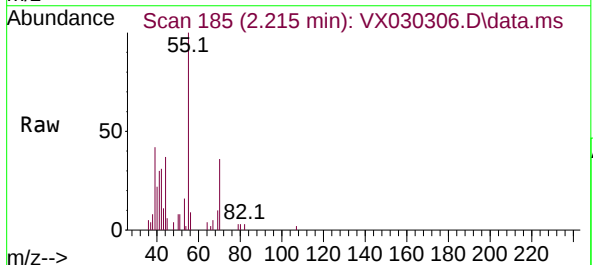
Instrument :
MSVOA_X
ClientSampleId :
MW-17

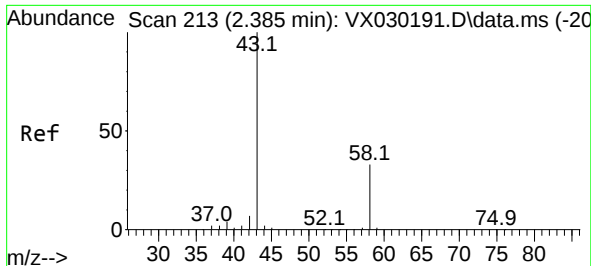
Tgt Ion: 59 Resp: 1460
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 2.447 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 56 Resp: 408
Ion Ratio Lower Upper
56 100
55 1189.0 56.6 84.8#





#16

Acetone

Concen: 6.533 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.005 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

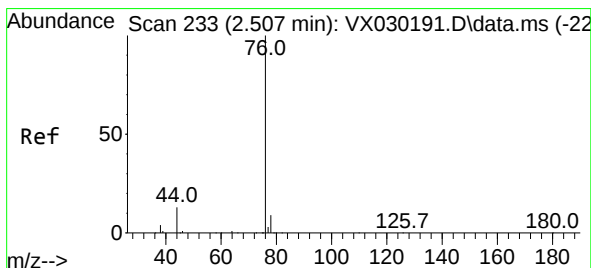
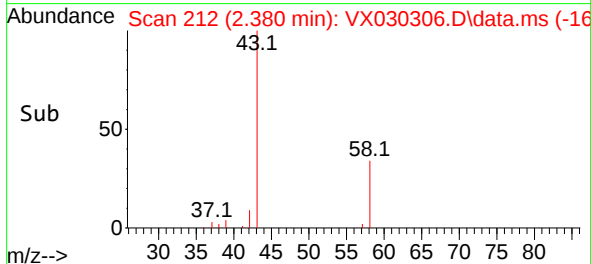
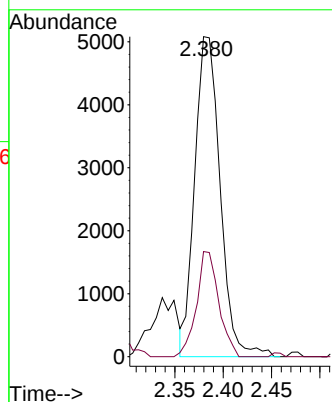
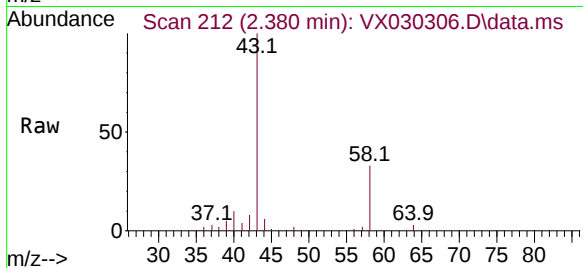
MW-17

Tgt Ion: 43 Resp: 9303

Ion Ratio Lower Upper

43 100

58 31.7 27.7 41.5



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.001 min

Lab File: VX030306.D

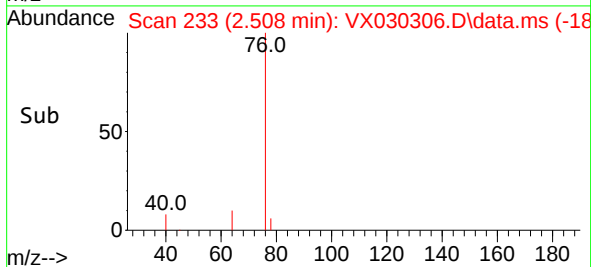
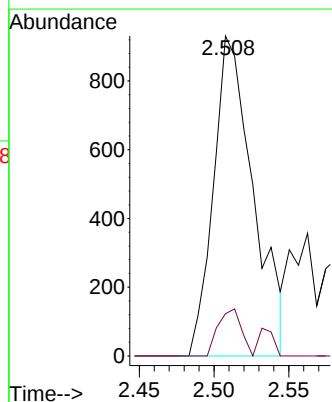
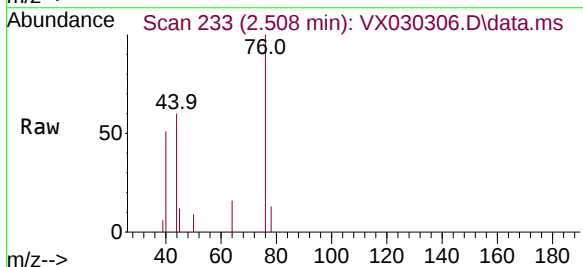
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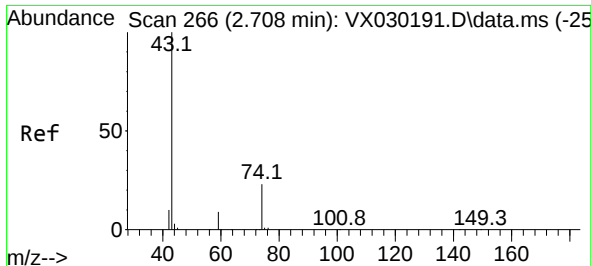
Tgt Ion: 76 Resp: 1727

Ion Ratio Lower Upper

76 100

78 13.2 7.8 11.6#

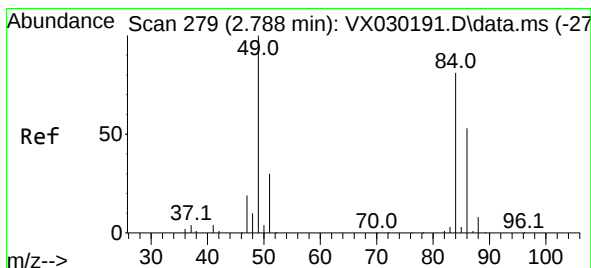
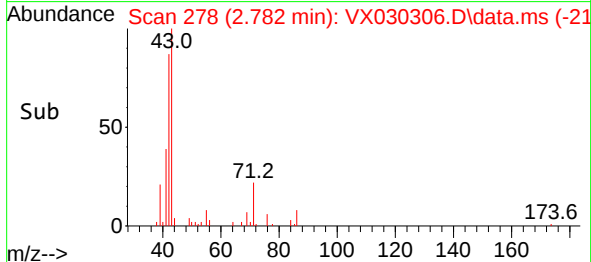
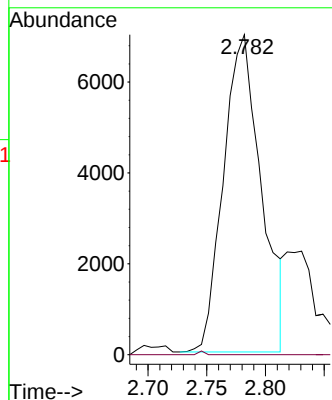
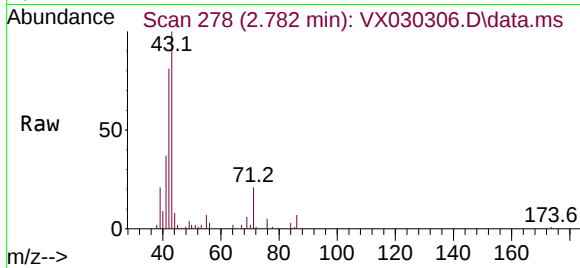




#18
Methyl Acetate
Concen: 3.713 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.074 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

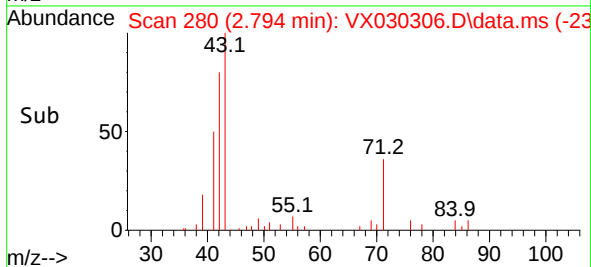
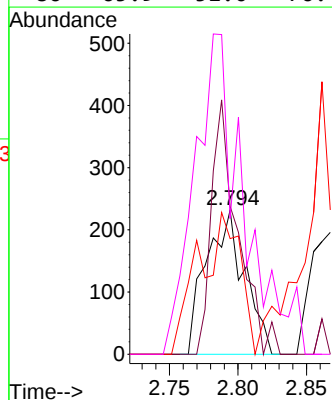
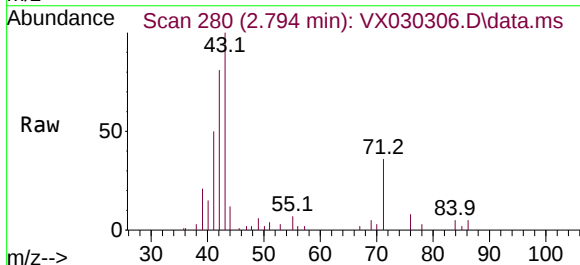
Instrument :
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MW-17

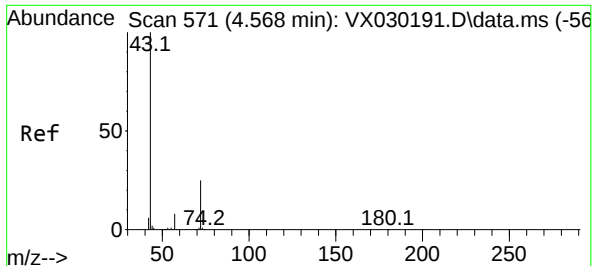
Tgt Ion: 43 Resp: 15638
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 102.6 93.8 140.6
51 54.7 29.4 44.0#
86 65.9 51.0 76.4

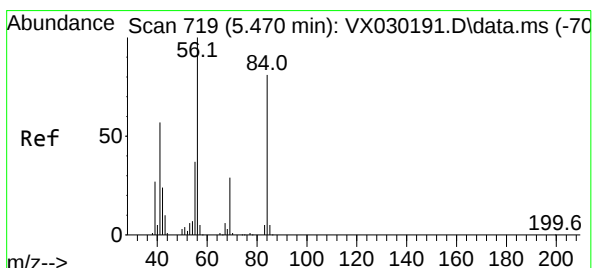
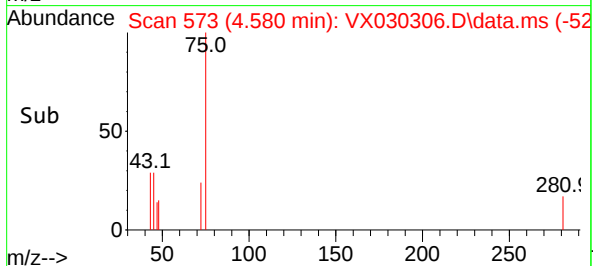
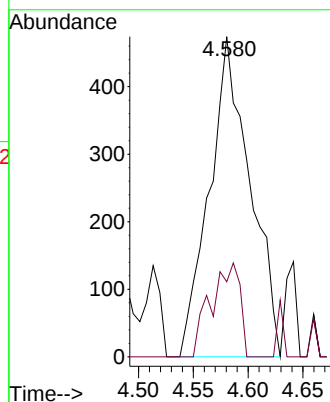
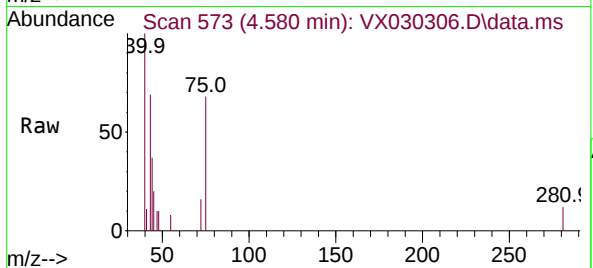




#25
2-Butanone
Concen: 0.512 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

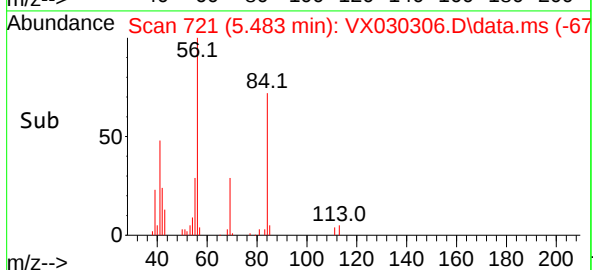
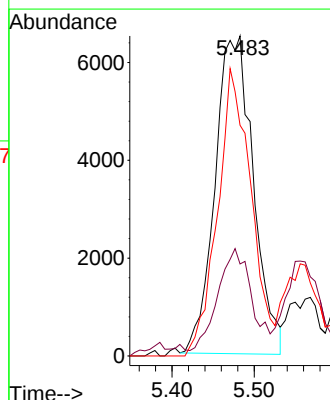
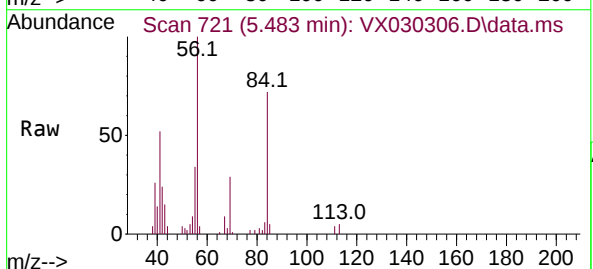
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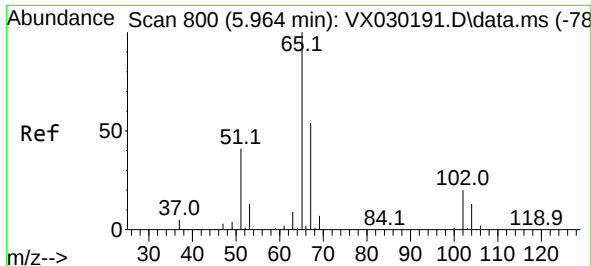
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
72 23.4 21.7 32.5



#31
Cyclohexane
Concen: 5.193 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.013 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 56 Resp: 20972
Ion Ratio Lower Upper
56 100
69 25.4 25.4 38.0#
84 72.8 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 55.283 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

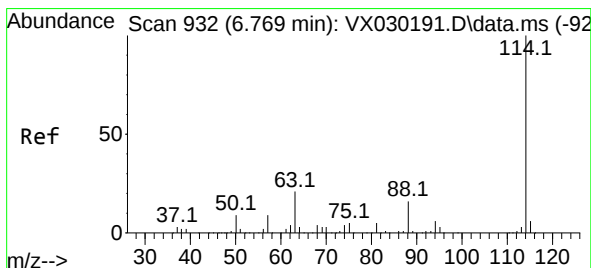
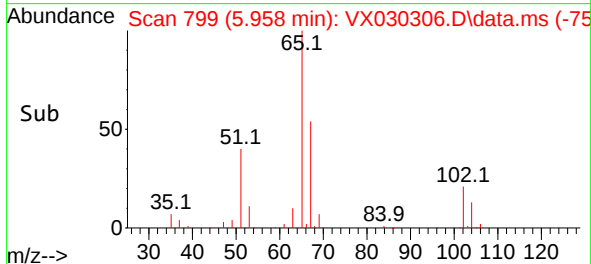
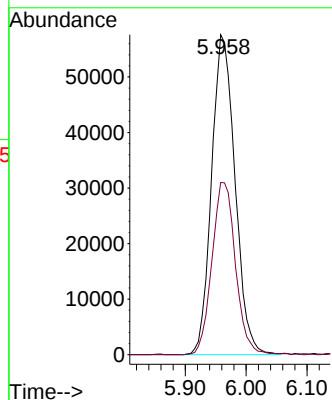
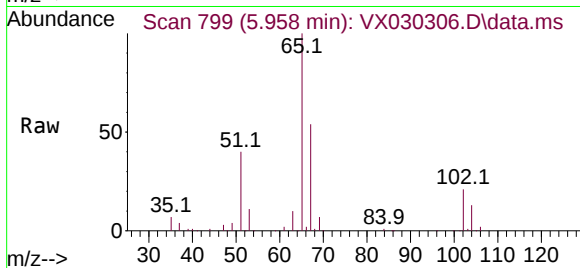
MW-17

Tgt Ion: 65 Resp: 153766

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

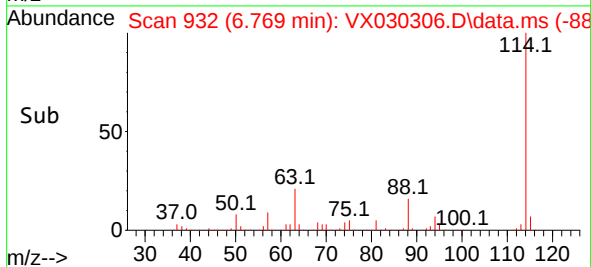
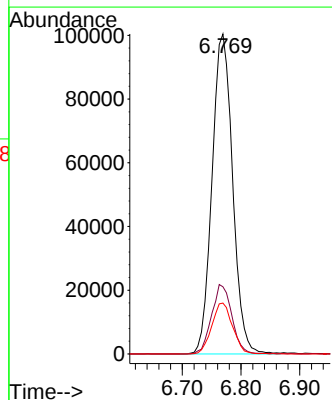
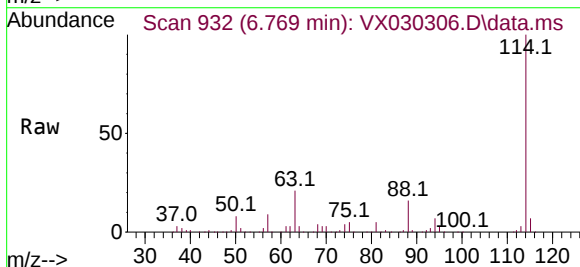
Tgt Ion: 114 Resp: 244235

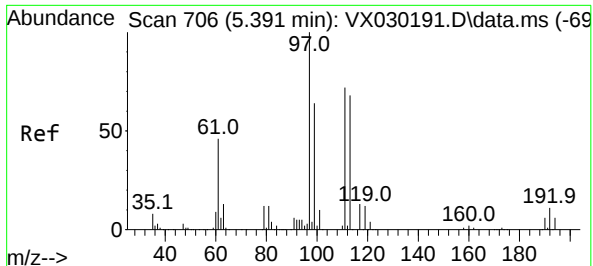
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.911 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

MW-17

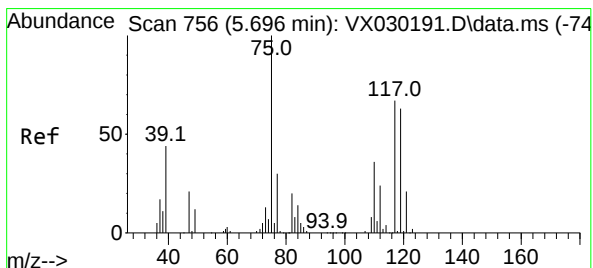
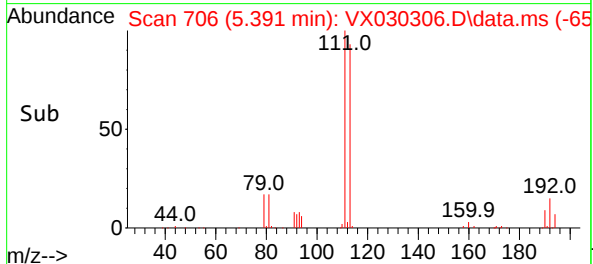
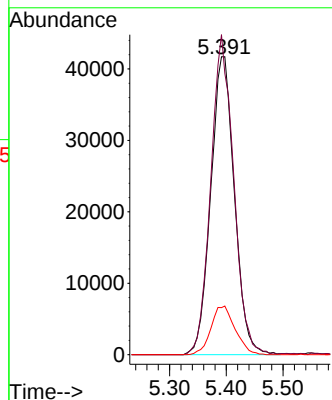
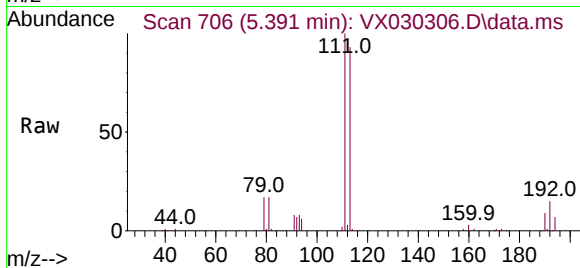
Tgt Ion:113 Resp: 121200

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

192 16.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.438 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

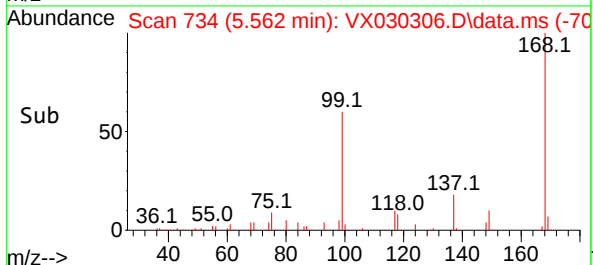
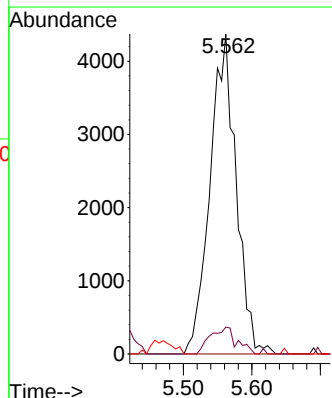
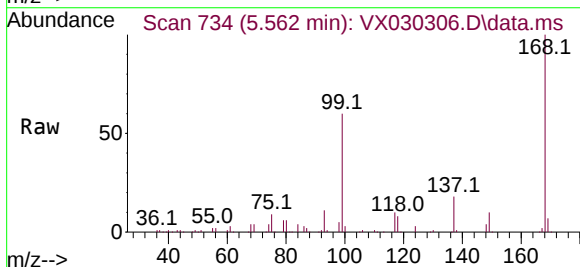
Tgt Ion: 75 Resp: 11551

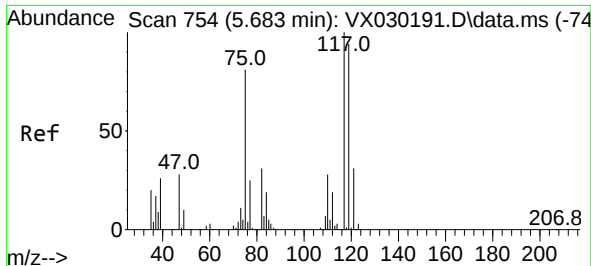
Ion Ratio Lower Upper

75 100

110 8.5 19.3 57.9#

77 0.0 24.4 36.6#

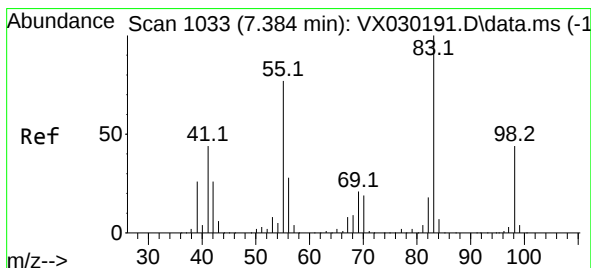
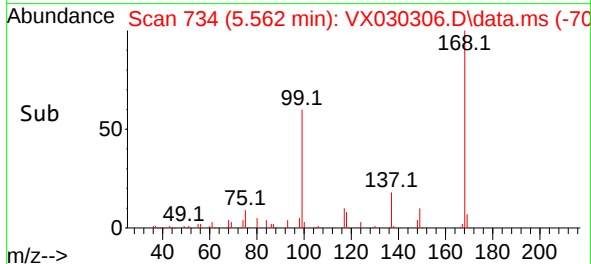
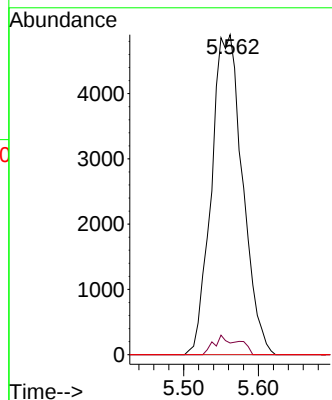
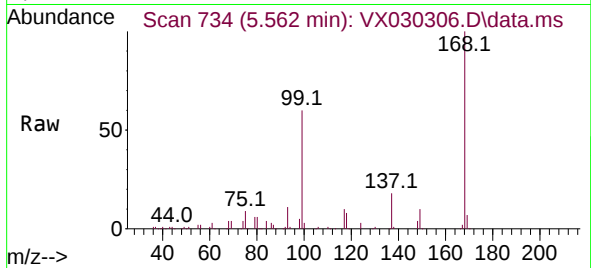




#38
Carbon Tetrachloride
Concen: 4.535 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

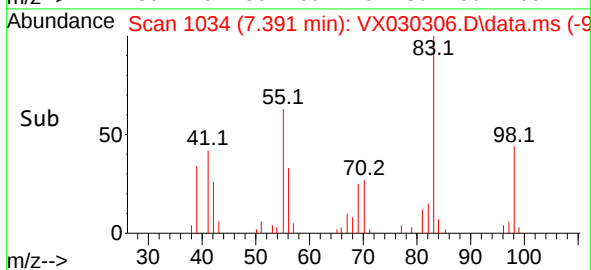
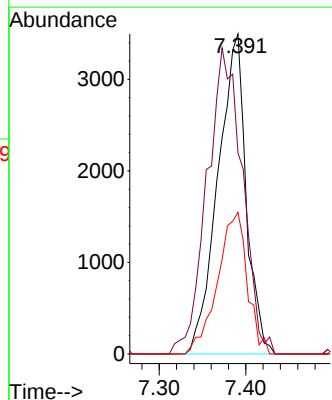
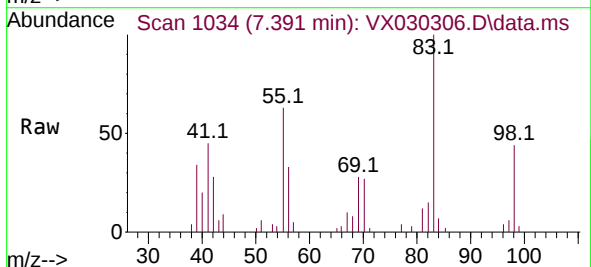
Instrument :
MSVOA_X
ClientSampleId :
MW-17

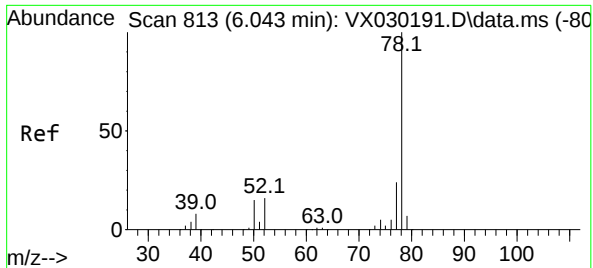
Tgt Ion:117 Resp: 14225
Ion Ratio Lower Upper
117 100
119 3.7 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 1.824 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.007 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 83 Resp: 7912
Ion Ratio Lower Upper
83 100
55 62.9 57.7 86.5
98 44.3 36.5 54.7





#40

Benzene

Concen: 2.363 ug/l

RT: 6.050 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

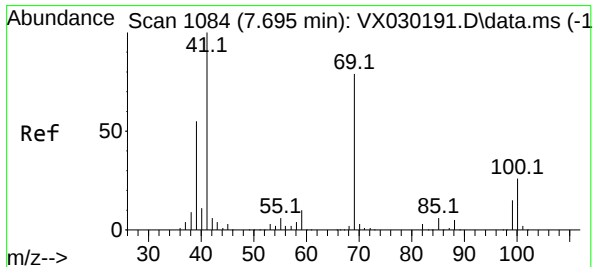
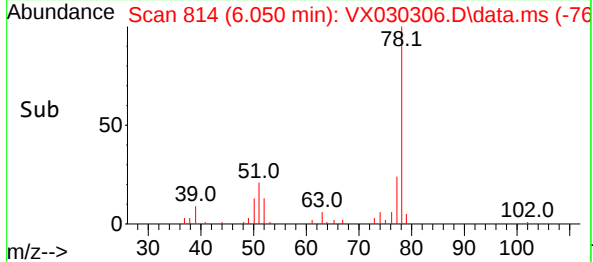
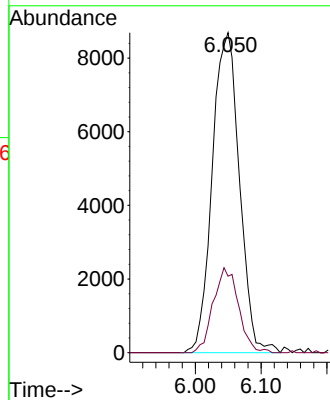
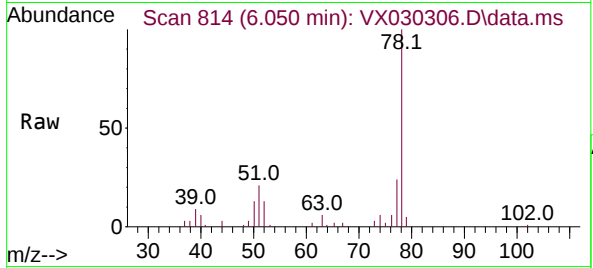
MW-17

Tgt Ion: 78 Resp: 24984

Ion Ratio Lower Upper

78 100

77 23.9 18.0 27.0



#48

Methyl methacrylate

Concen: 0.240 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.042 min

Lab File: VX030306.D

Acq: 29 Jul 2022 16:32

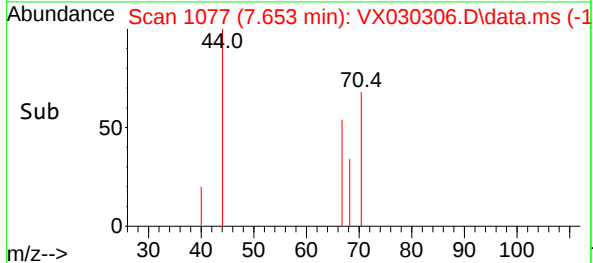
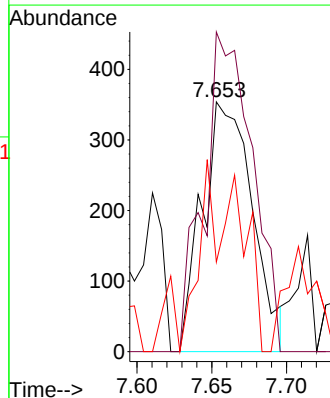
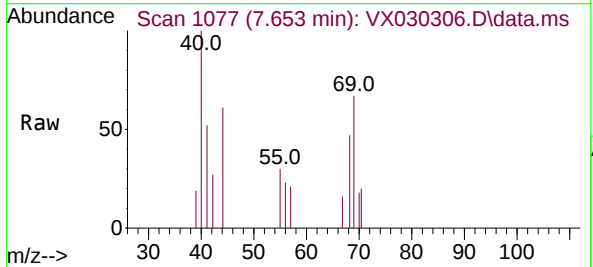
Tgt Ion: 41 Resp: 824

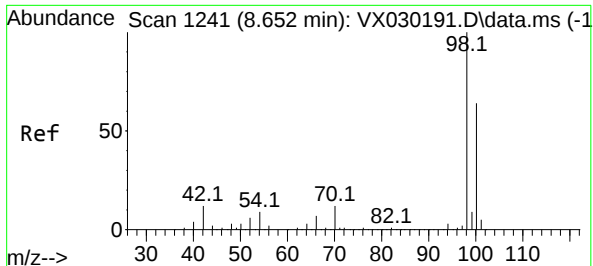
Ion Ratio Lower Upper

41 100

69 123.1 68.8 103.2#

39 25.7 44.6 66.8#

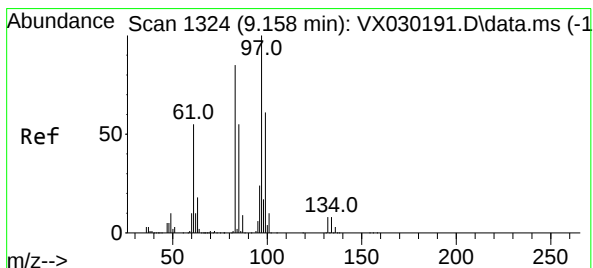
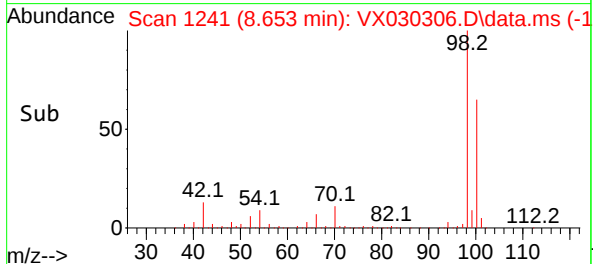
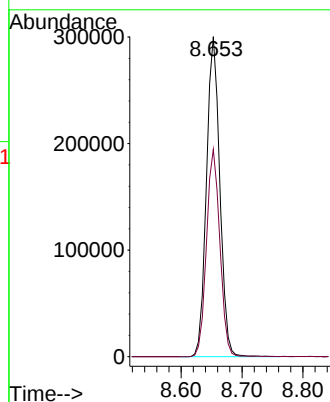
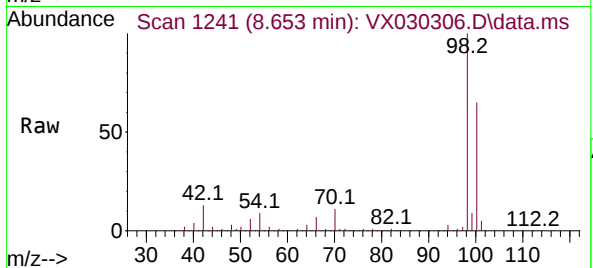




#50
Toluene-d8
Concen: 50.597 ug/l
RT: 8.653 min Scan# 1315
Delta R.T. 0.001 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

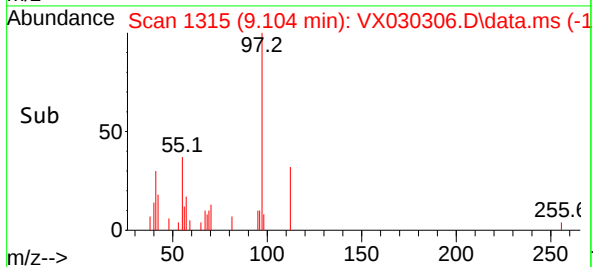
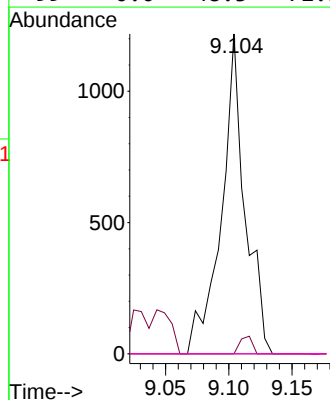
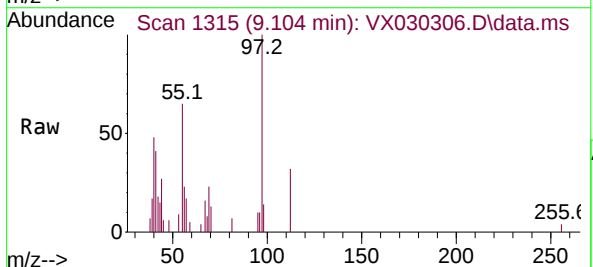
Instrument :
MSVOA_X
ClientSampleId :
MW-17

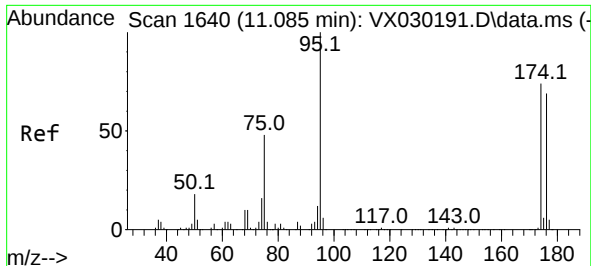
Tgt Ion: 98 Resp: 457482
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.575 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.054 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 97 Resp: 1580
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 44.0 66.0#
99 0.0 48.3 72.5#

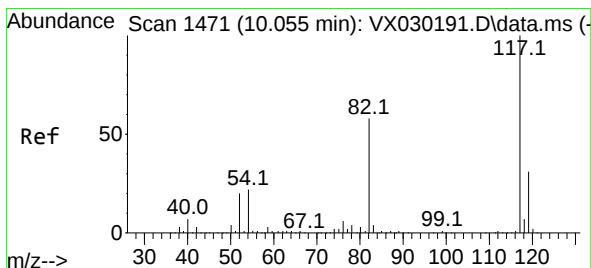
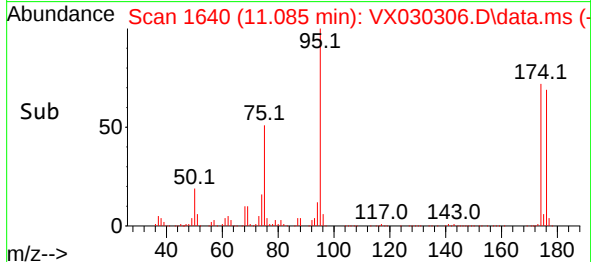
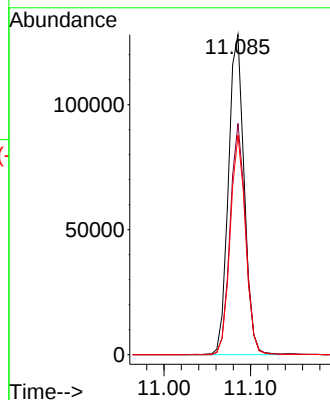
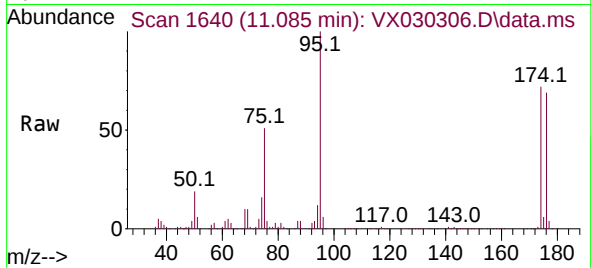




#62
4-Bromofluorobenzene
Concen: 48.175 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

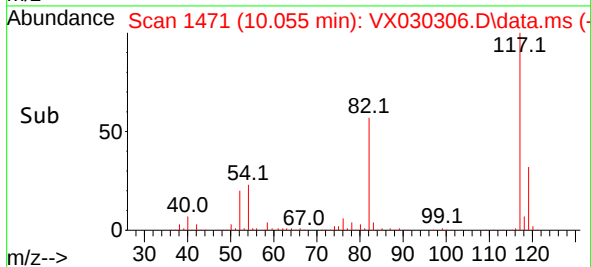
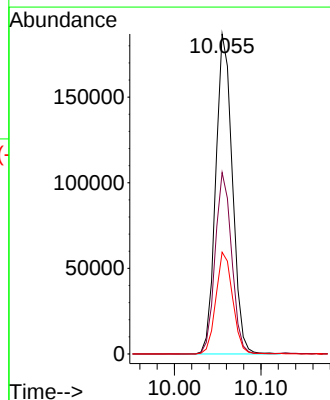
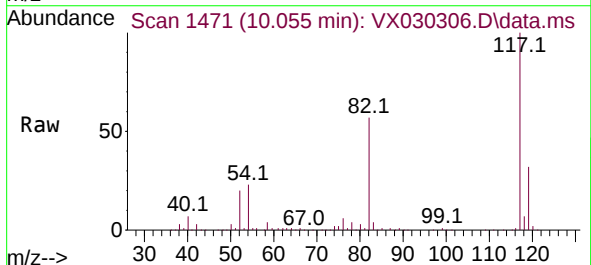
Instrument :
MSVOA_X
ClientSampleId :
MW-17

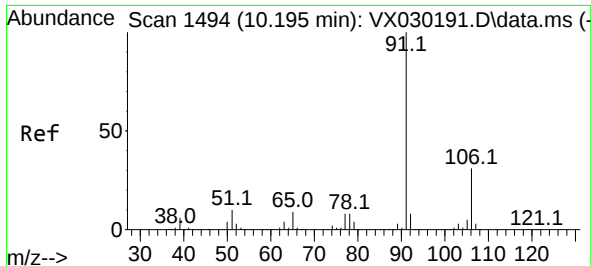
Tgt Ion: 95 Resp: 161658
Ion Ratio Lower Upper
95 100
174 71.0 0.0 149.0
176 67.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 117 Resp: 249632
Ion Ratio Lower Upper
117 100
82 56.7 42.7 64.1
119 31.8 25.4 38.2

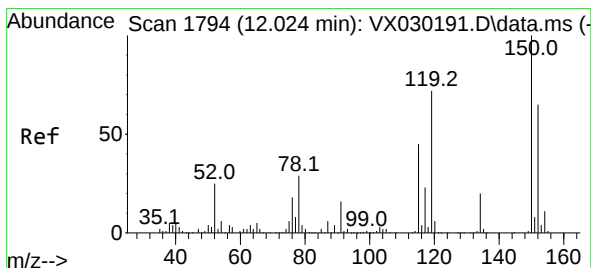
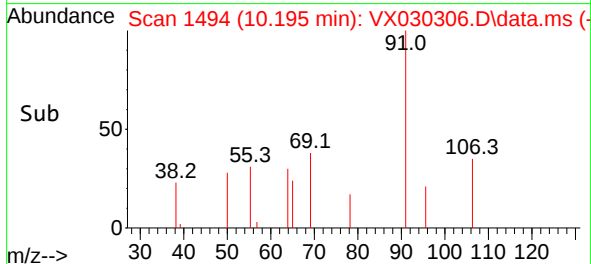
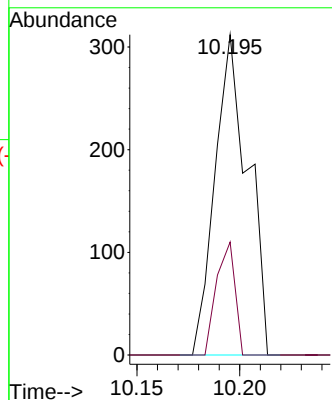
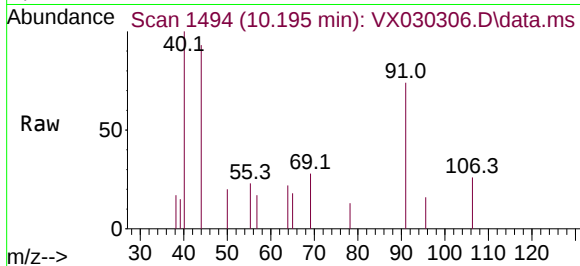




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

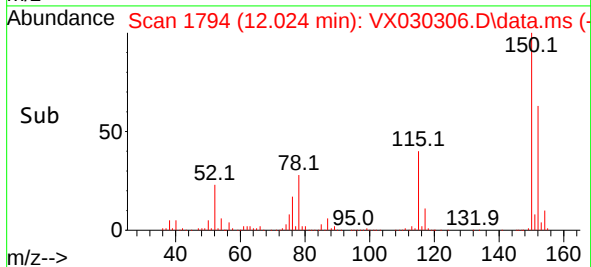
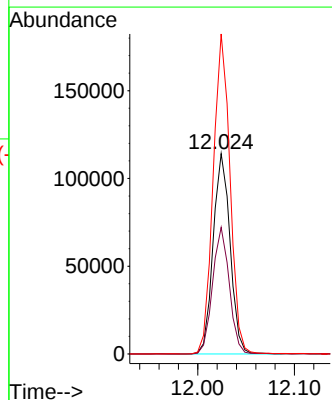
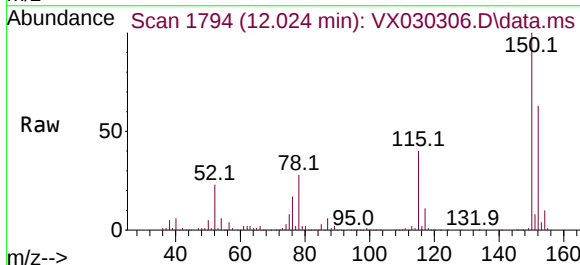
Instrument :
MSVOA_X
ClientSampleId :
MW-17

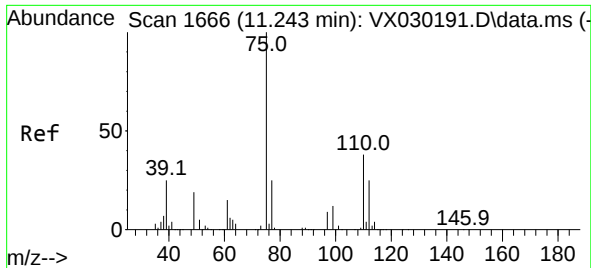
Tgt Ion: 91 Resp: 347
Ion Ratio Lower Upper
91 100
106 35.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 152 Resp: 138346
Ion Ratio Lower Upper
152 100
115 62.6 40.5 121.5
150 159.0 0.0 347.0

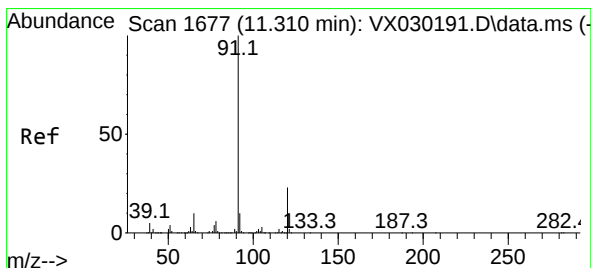
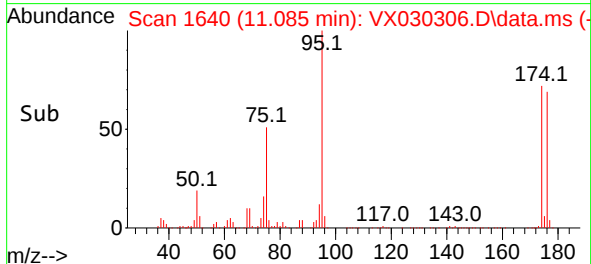
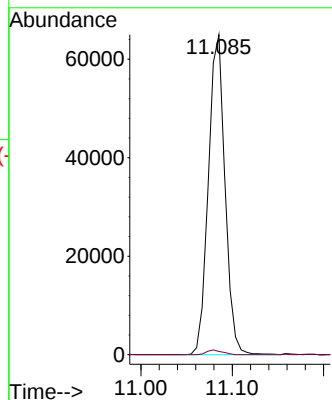
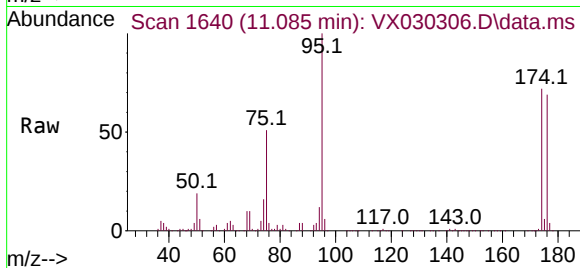




#76
1,2,3-Trichloropropane
Concen: 22.421 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

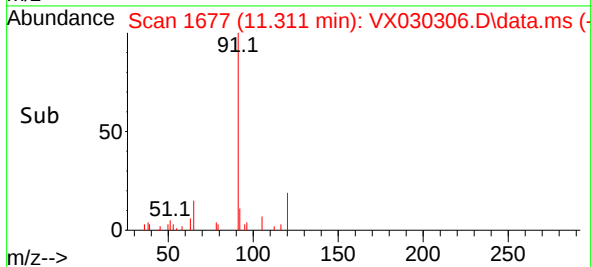
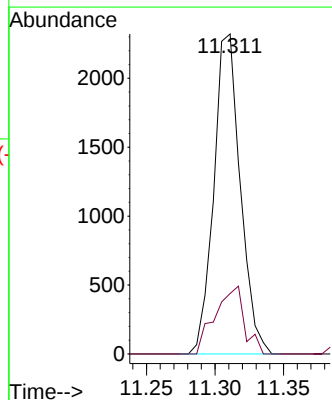
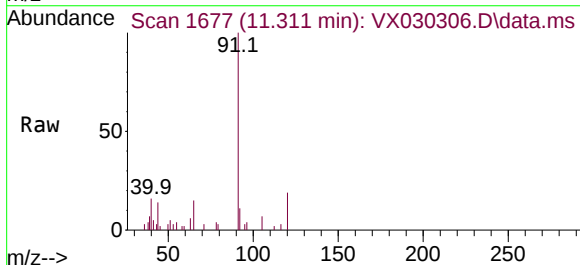
Instrument :
MSVOA_X
ClientSampleId :
MW-17

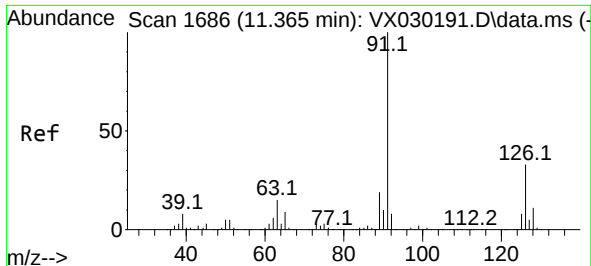
Tgt Ion: 75 Resp: 81762
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#78
n-propylbenzene
Concen: 0.242 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.001 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 91 Resp: 3124
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.8

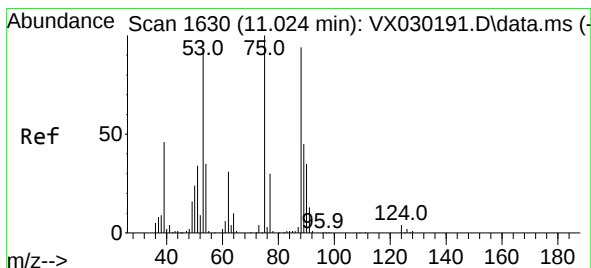
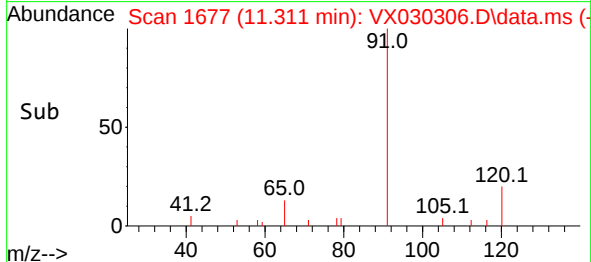
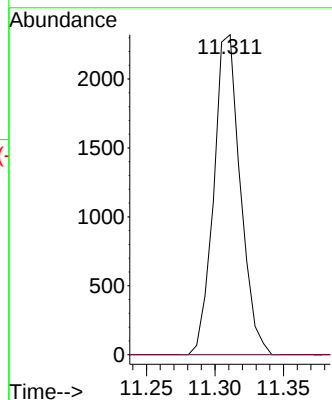
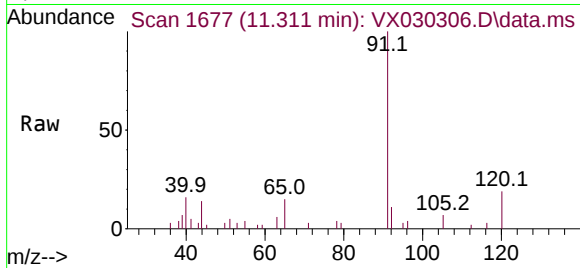




#79
2-Chlorotoluene
Concen: 0.384 ug/l
RT: 11.311 min Scan# 11
Delta R.T. -0.054 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

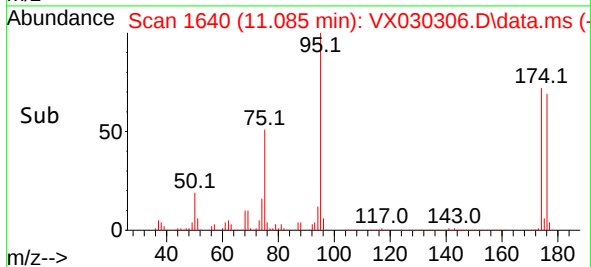
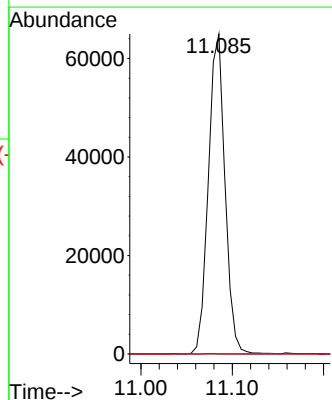
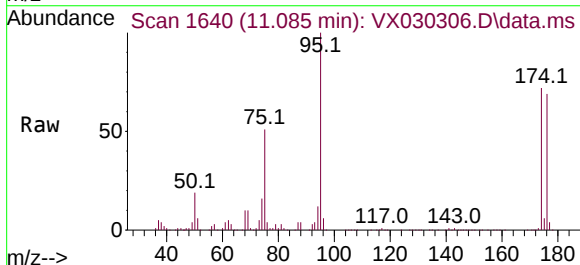
Instrument :
MSVOA_X
ClientSampleId :
MW-17

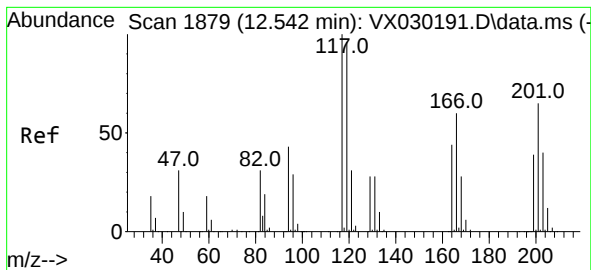
Tgt Ion: 91 Resp: 3124
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.260 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030306.D
Acq: 29 Jul 2022 16:32

Tgt Ion: 75 Resp: 81762
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#90

Hexachloroethane

Concen: 0.271 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX030306.D

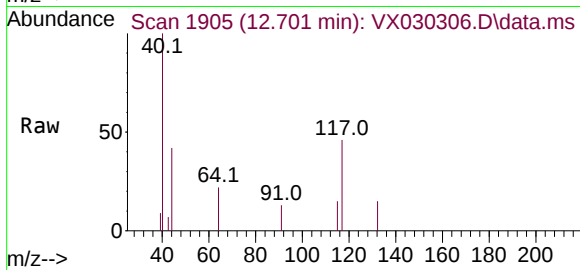
Acq: 29 Jul 2022 16:32

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:117 Resp: 429

Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.2	102.5#

