

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030802.D
 Acq On : 26 Aug 2022 04:11
 Operator : JC/MD
 Sample : N4262-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

Quant Time: Aug 26 04:58:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

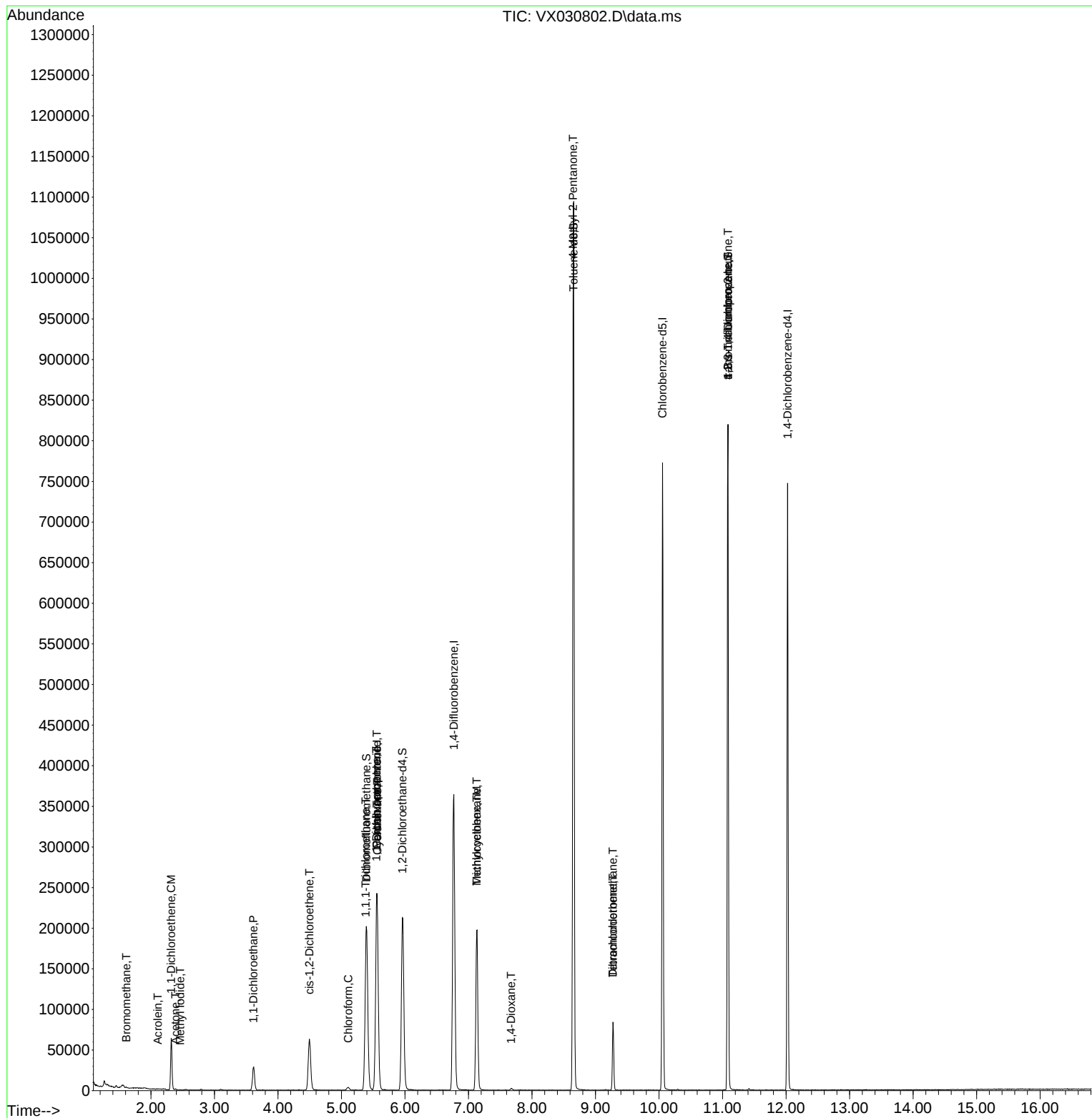
Internal Standards						
1) Pentafluorobenzene	5.556	168	232872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	389164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207147	75.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 151.240%#			
35) Dibromofluoromethane	5.391	113	179138	74.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 149.800%#			
50) Toluene-d8	8.653	98	659695	79.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 158.300%#			
62) 4-Bromofluorobenzene	11.085	95	220748	71.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 142.280%#			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	460	Below Cal		94
4) Vinyl Chloride	1.374	62	103	Below Cal	#	67
5) Bromomethane	1.611	94	243	0.224	ug/l #	58
6) Chloroethane	1.691	64	147	Below Cal	#	41
10) Methyl Iodide	2.459	142	115	4.085	ug/l #	65
12) 1,1-Dichloroethene	2.319	96	20866	9.885	ug/l	95
13) Acrolein	2.105	56	48	10.140	ug/l #	77
16) Acetone	2.386	43	1556	1.229	ug/l #	82
17) Carbon Disulfide	2.514	76	169	Below Cal	#	74
20) Methylene Chloride	2.794	84	476	Below Cal	#	74
24) 1,1-Dichloroethane	3.611	63	32140	7.228	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	41599	14.850	ug/l	93
30) Chloroform	5.105	83	4142	0.885	ug/l	94
31) Cyclohexane	5.562	56	4479	1.279	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	4147	1.096	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	17754	5.451	ug/l #	48
38) Carbon Tetrachloride	5.556	117	23724	6.906	ug/l #	17
39) Methylcyclohexane	7.129	83	1076	0.276	ug/l #	1
44) Trichloroethene	7.129	130	79438	28.218	ug/l	97
49) 1,4-Dioxane	7.671	88	1727	24.153	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2468	0.630	ug/l #	1
60) Dibromochloromethane	9.275	129	15260	5.414	ug/l #	11
64) Tetrachloroethene	9.275	164	15759	5.745	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	108493	32.399	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	108493	104.534	ug/l #	13

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

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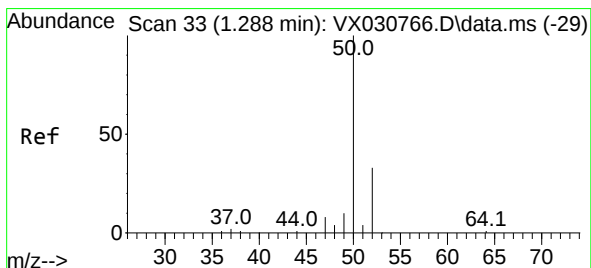
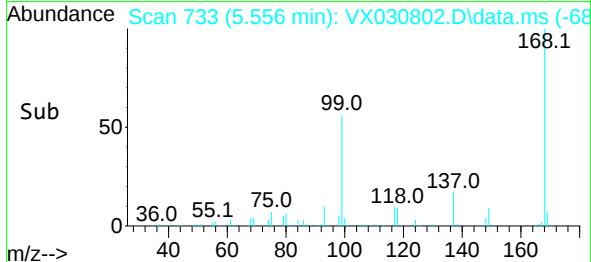
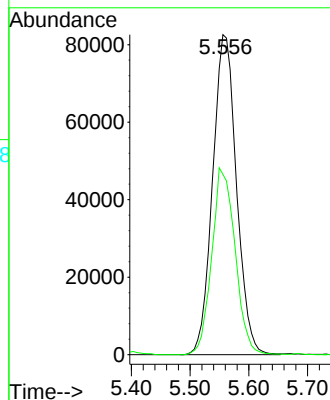
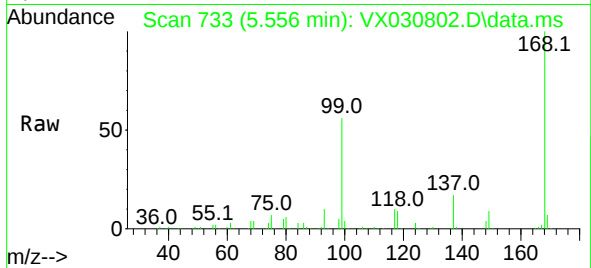




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

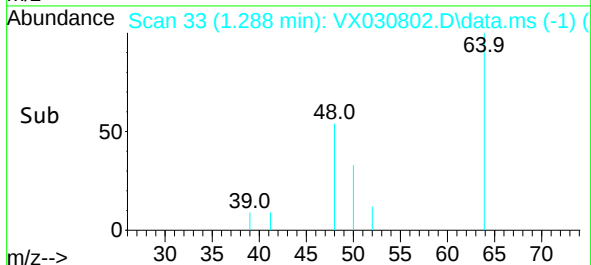
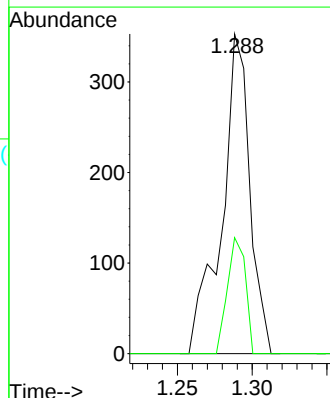
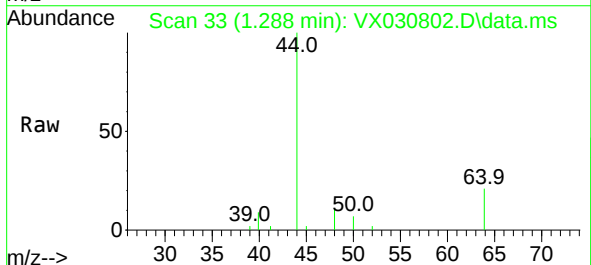
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

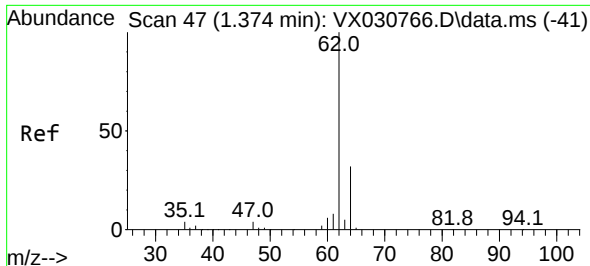
Tgt Ion:168 Resp: 232872
Ion Ratio Lower Upper
168 100
99 56.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 36.3 26.3 39.5

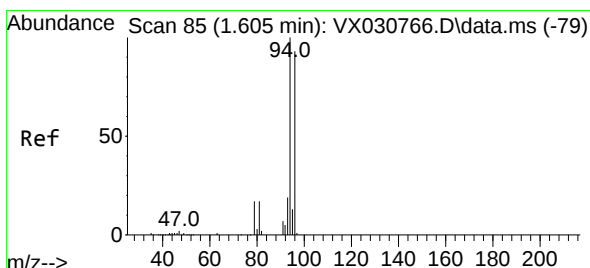
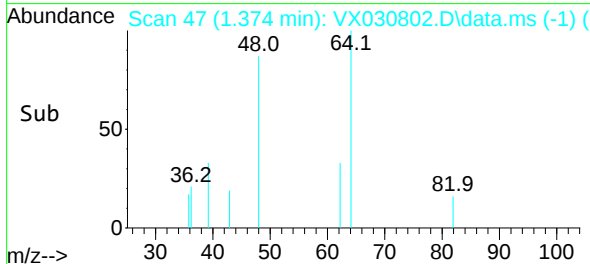
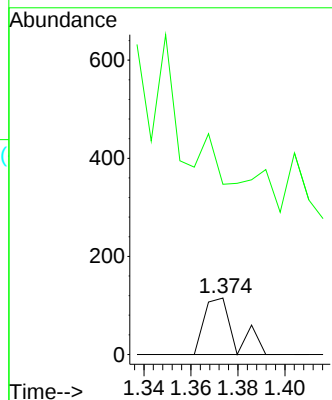
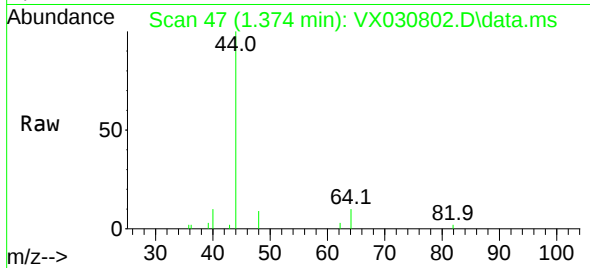




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030802.D
 Acq: 26 Aug 2022 04:11

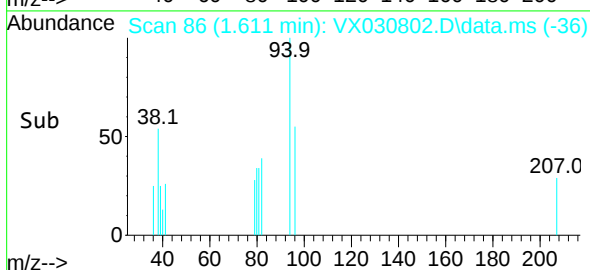
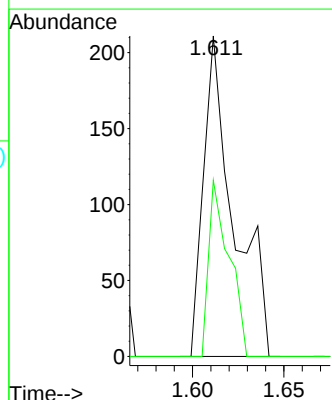
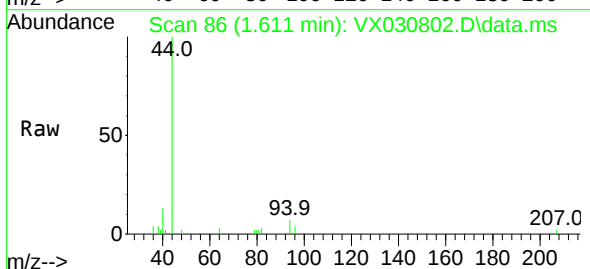
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

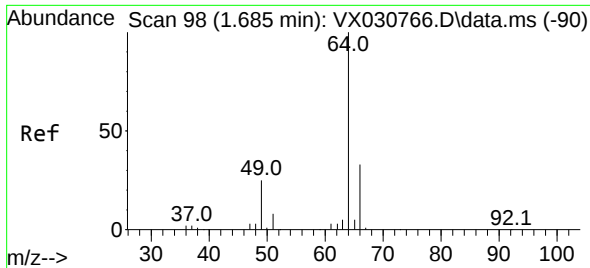
Tgt Ion: 62 Resp: 103
 Ion Ratio Lower Upper
 62 100
 64 49.6 25.2 37.8#



#5
 Bromomethane
 Concen: 0.224 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030802.D
 Acq: 26 Aug 2022 04:11

Tgt Ion: 94 Resp: 243
 Ion Ratio Lower Upper
 94 100
 96 55.0 76.9 115.3#

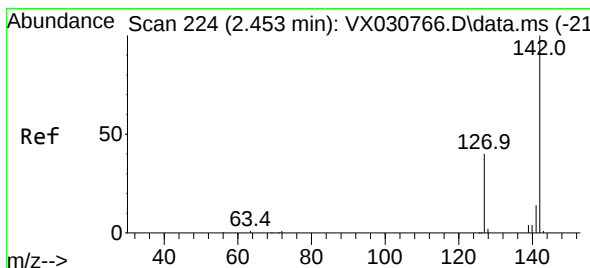
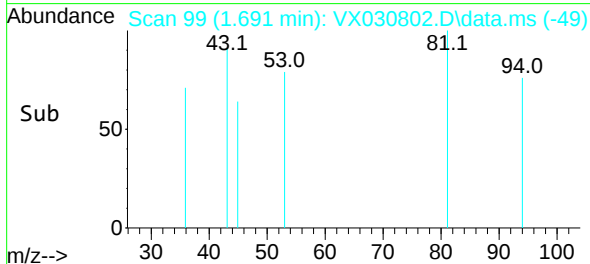
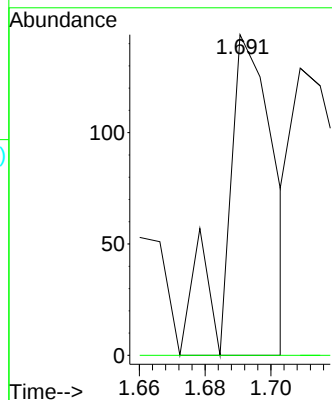
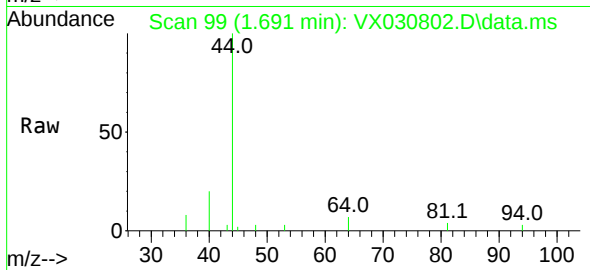




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

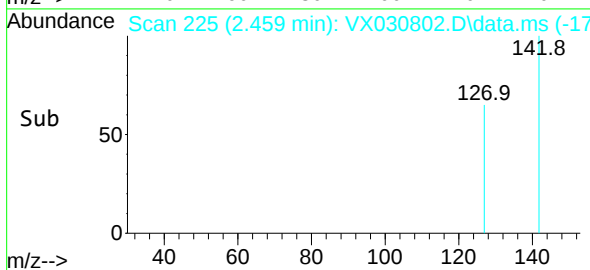
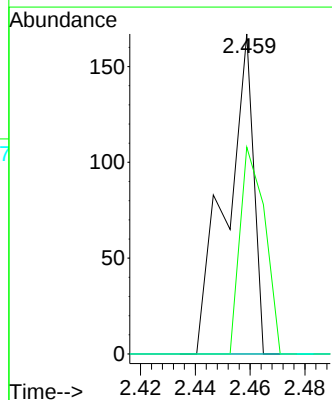
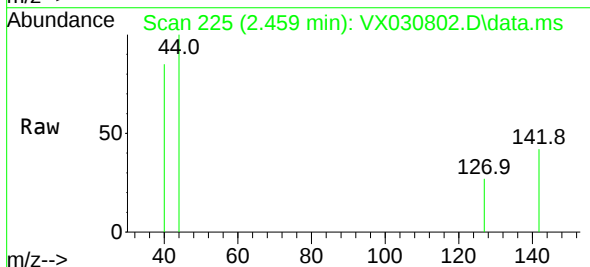
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

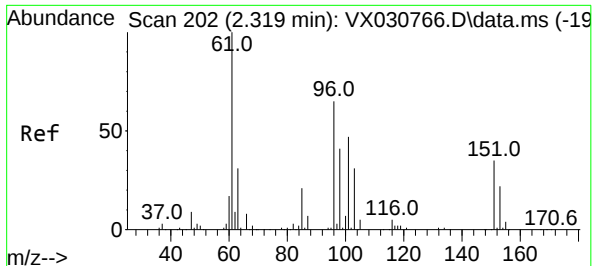
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.085 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 142 Resp: 115
Ion Ratio Lower Upper
142 100
127 59.1 30.2 45.2#
141 0.0 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 9.885 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX030802.D

Acq: 26 Aug 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

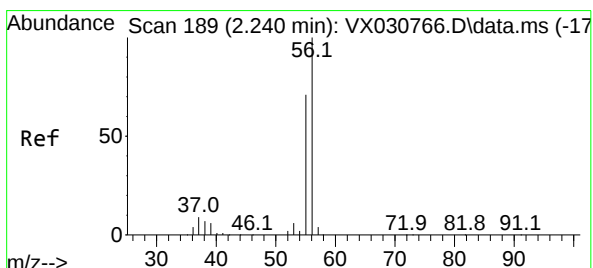
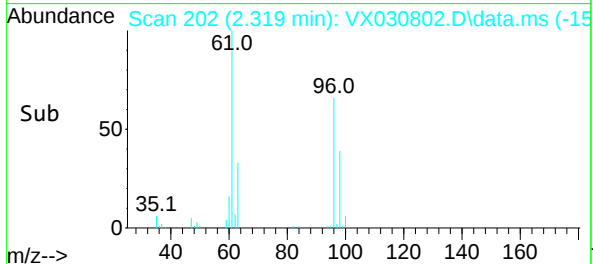
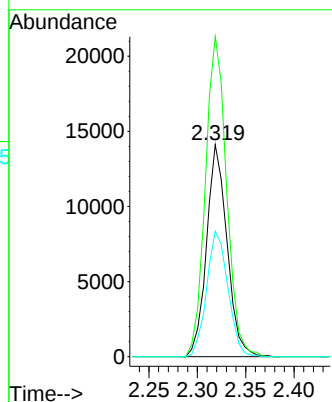
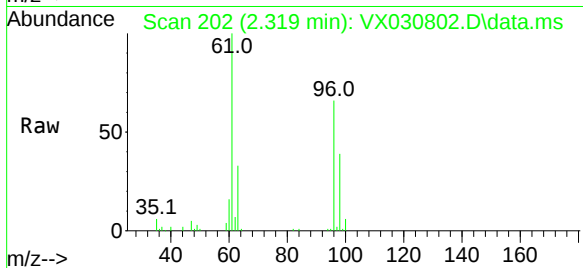
Tgt Ion: 96 Resp: 20866

Ion Ratio Lower Upper

96 100

61 151.0 117.4 176.0

98 59.2 52.2 78.4



#13

Acrolein

Concen: 10.140 ug/l

RT: 2.105 min Scan# 167

Delta R.T. -0.135 min

Lab File: VX030802.D

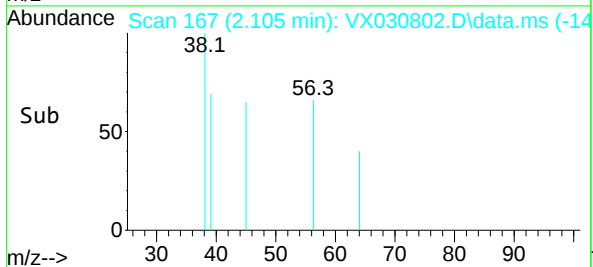
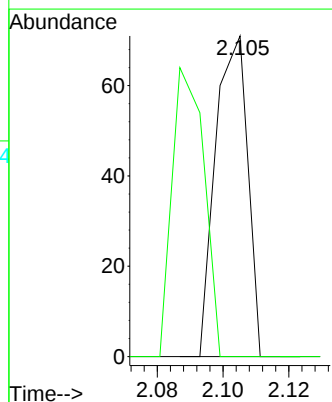
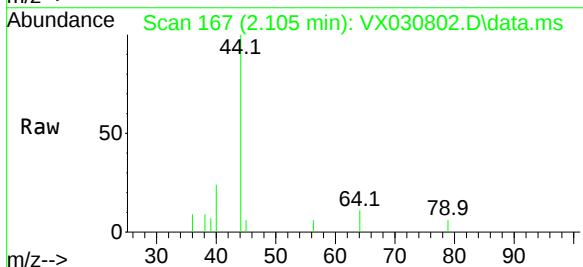
Acq: 26 Aug 2022 04:11

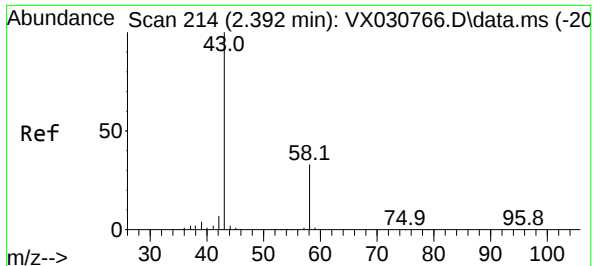
Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 89.6 56.6 84.8#

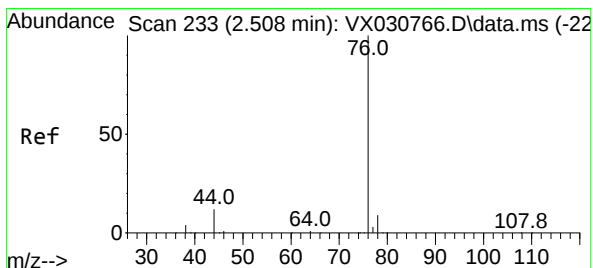
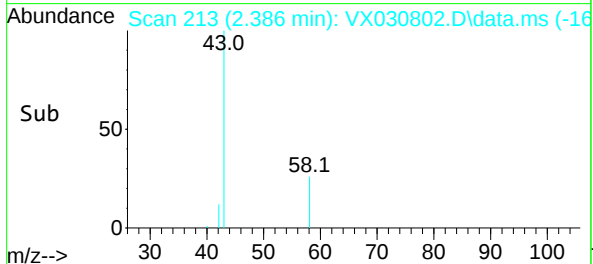
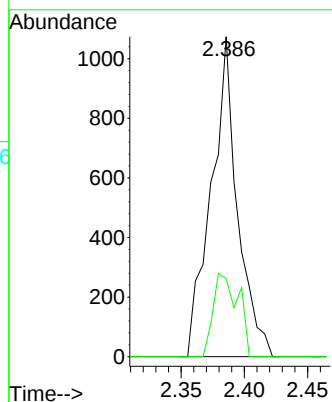
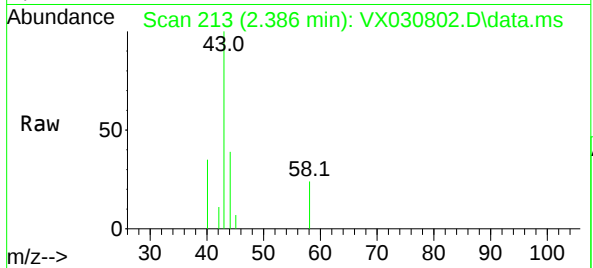




#16
Acetone
Concen: 1.229 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

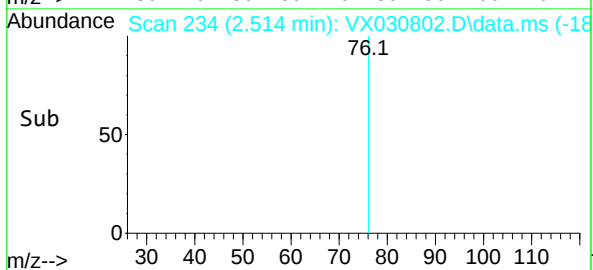
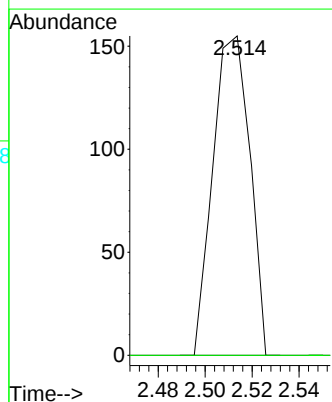
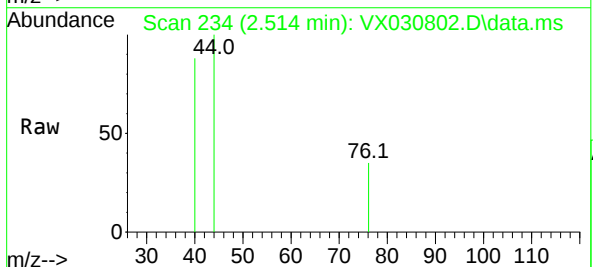
Instrument :
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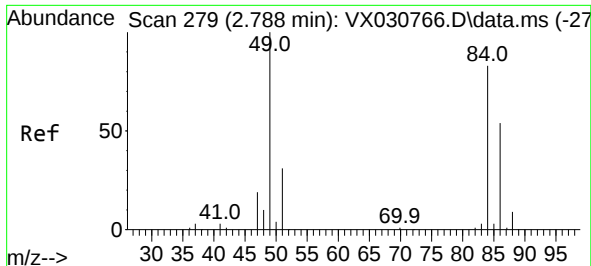
Tgt Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
58 24.5 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

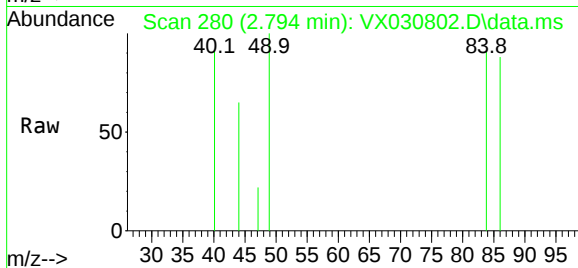
Tgt Ion: 76 Resp: 169
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



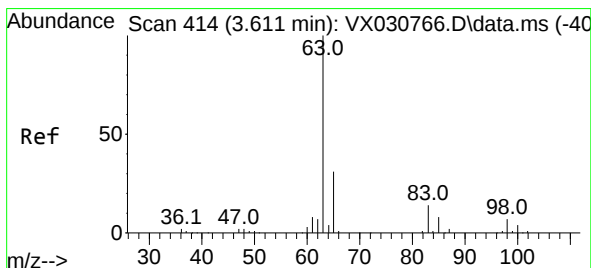
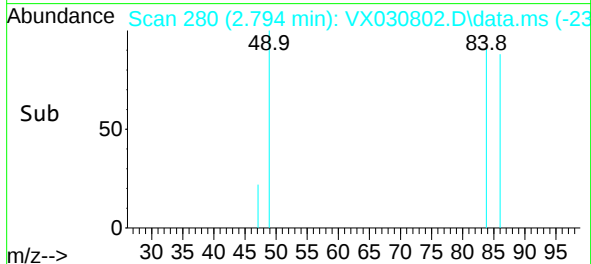
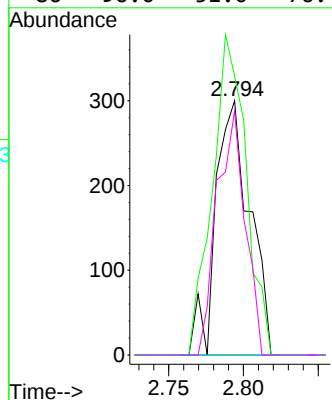


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Instrument :
MSVOA_X
ClientSampleId :
MW-101S

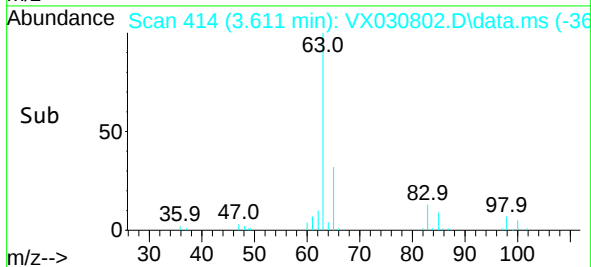
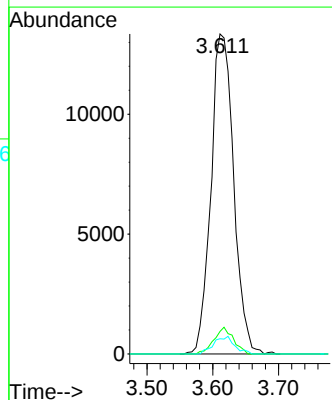
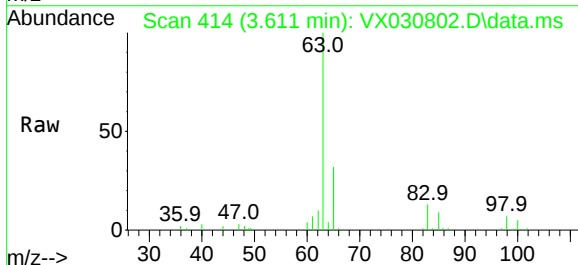


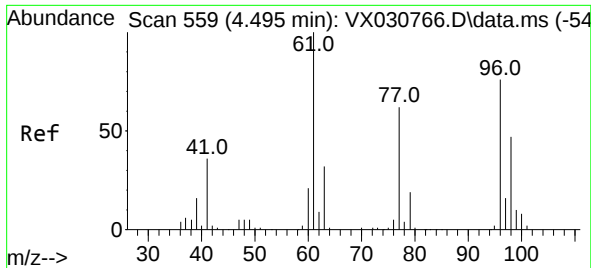
Tgt Ion: 84	Resp: 476
Ion Ratio	Lower Upper
84 100	
49 109.7	93.8 140.6
51 0.0	29.4 44.0#
86 96.0	51.0 76.4#



#24
1,1-Dichloroethane
Concen: 7.228 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 63	Resp: 32140
Ion Ratio	Lower Upper
63 100	
98 7.1	3.5 10.5
100 4.8	2.3 6.9





#27

cis-1,2-Dichloroethene

Concen: 14.850 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX030802.D

Acq: 26 Aug 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

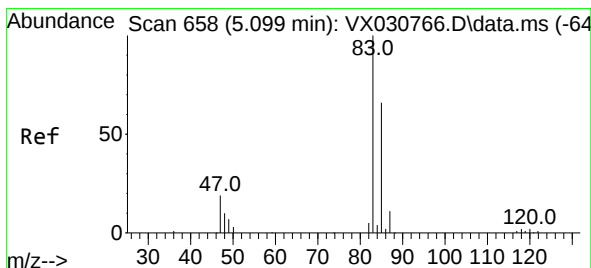
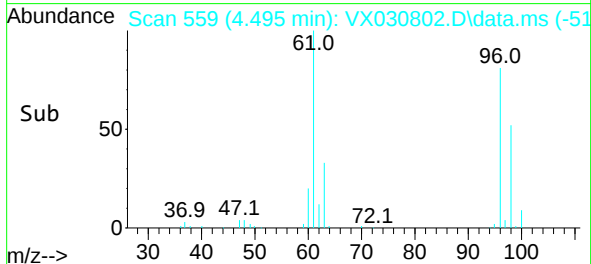
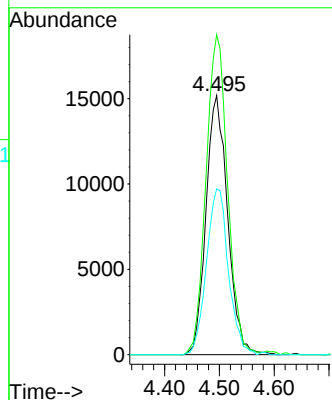
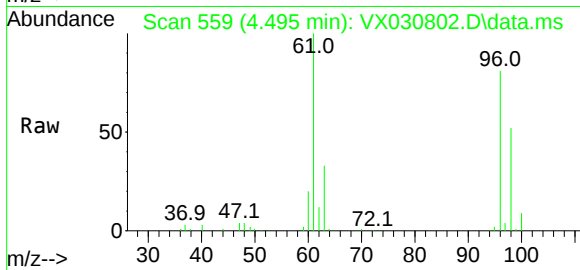
Tgt Ion: 96 Resp: 41599

Ion Ratio Lower Upper

96 100

61 123.0 0.0 270.0

98 65.0 0.0 127.8



#30

Chloroform

Concen: 0.885 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX030802.D

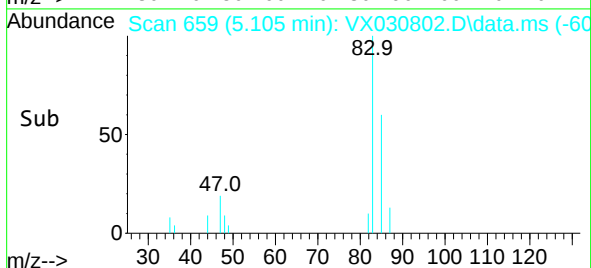
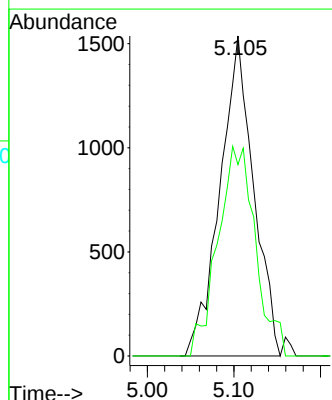
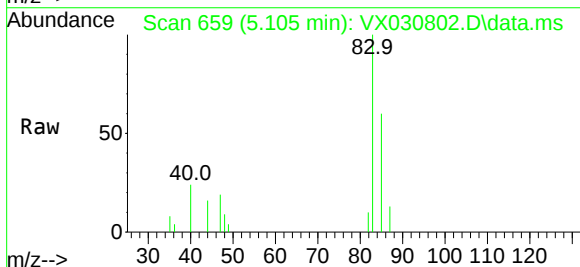
Acq: 26 Aug 2022 04:11

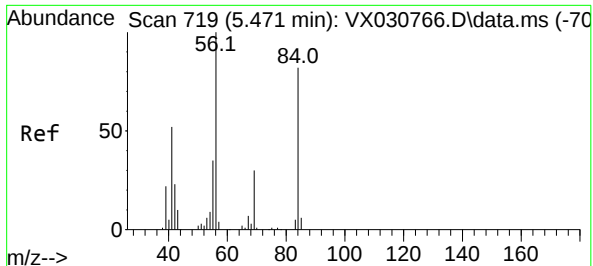
Tgt Ion: 83 Resp: 4142

Ion Ratio Lower Upper

83 100

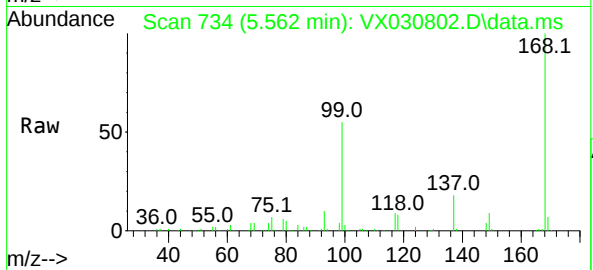
85 59.8 51.5 77.3





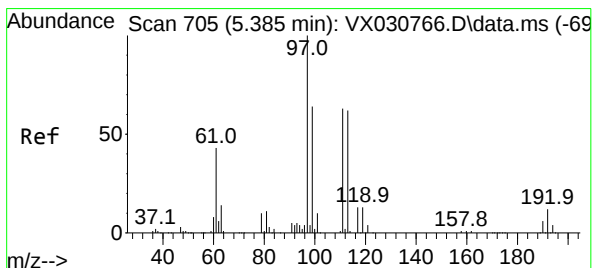
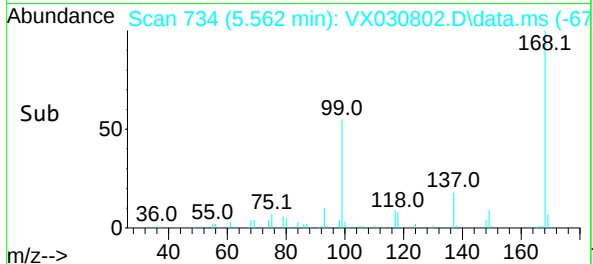
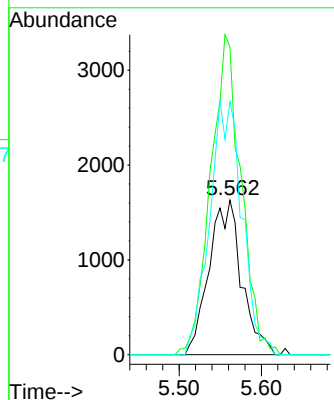
#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Instrument :
MSVOA_X
ClientSampleId :
MW-101S



Tgt Ion: 56 Resp: 4479

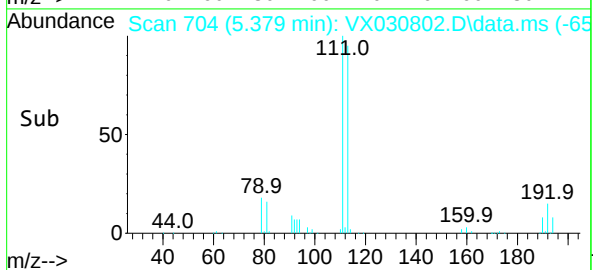
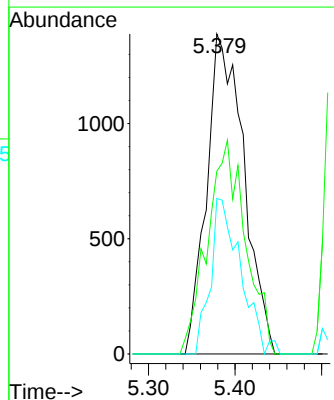
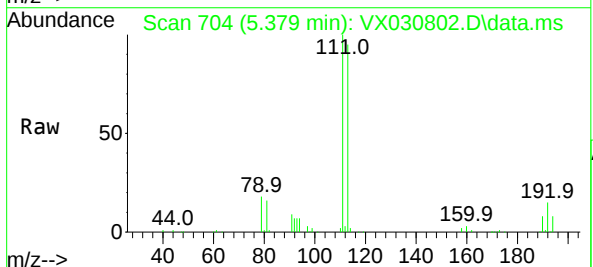
Ion	Ratio	Lower	Upper
56	100		
69	199.3	25.4	38.0#
84	163.7	68.9	103.3#

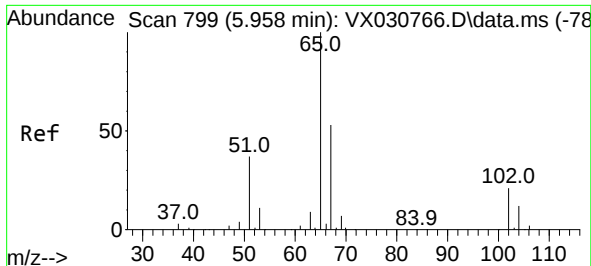


#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 97 Resp: 4147

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	39.5	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 75.623 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030802.D

Acq: 26 Aug 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

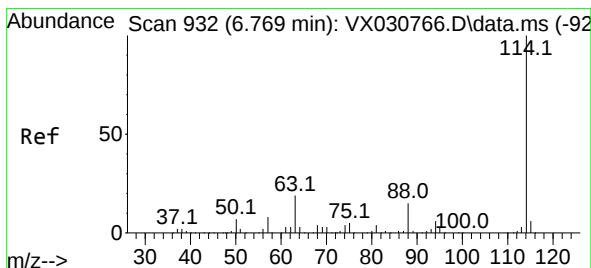
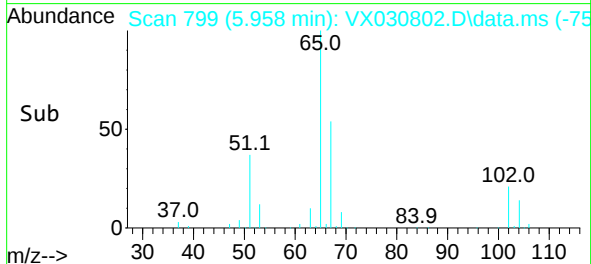
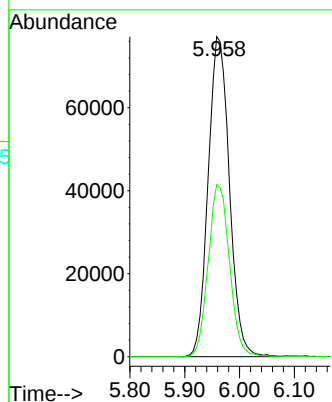
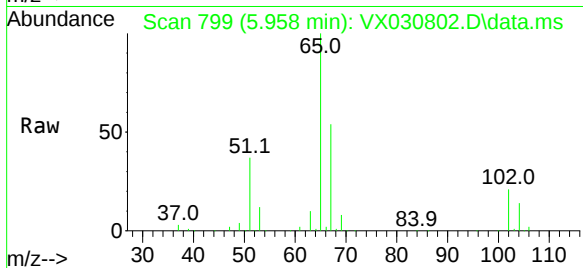
MW-101S

Tgt Ion: 65 Resp: 207147

Ion Ratio Lower Upper

65 100

67 53.9 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: VX030802.D

Acq: 26 Aug 2022 04:11

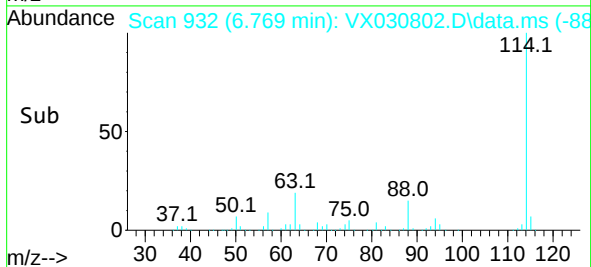
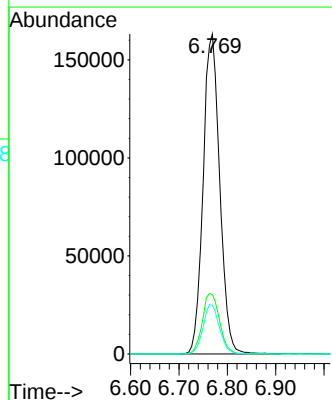
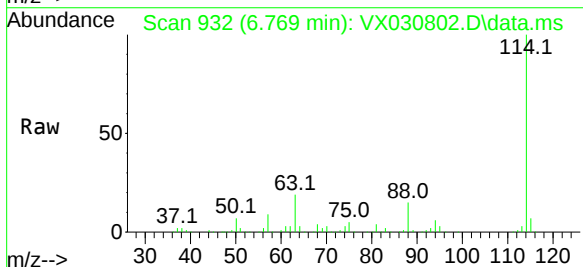
Tgt Ion: 114 Resp: 389164

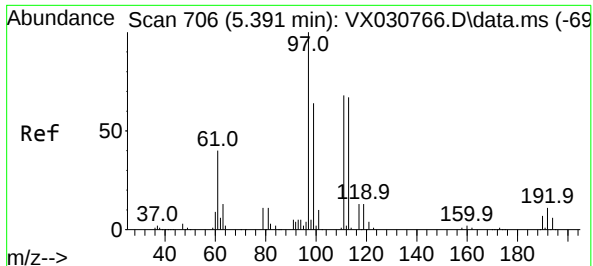
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 74.899 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030802.D

Acq: 26 Aug 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

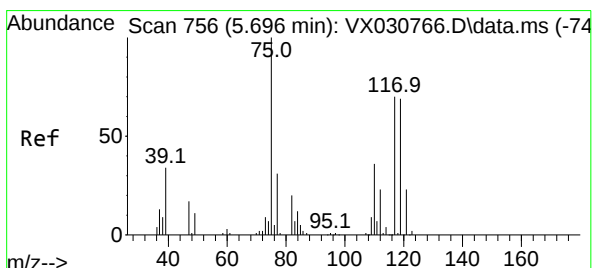
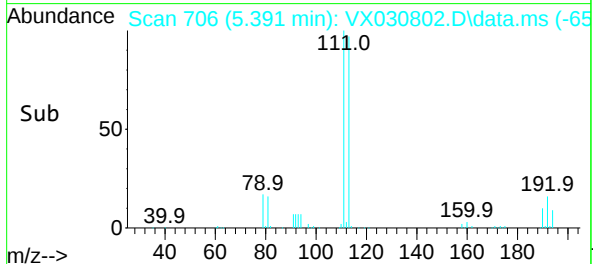
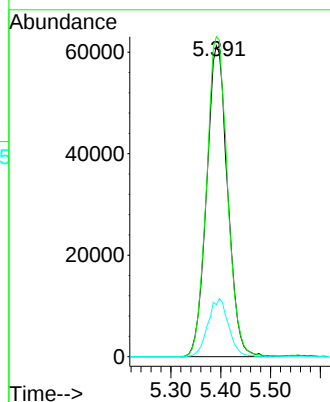
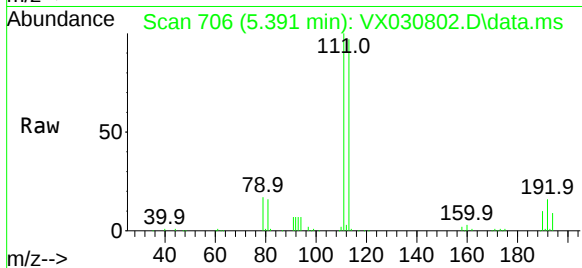
Tgt Ion:113 Resp: 179138

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.451 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030802.D

Acq: 26 Aug 2022 04:11

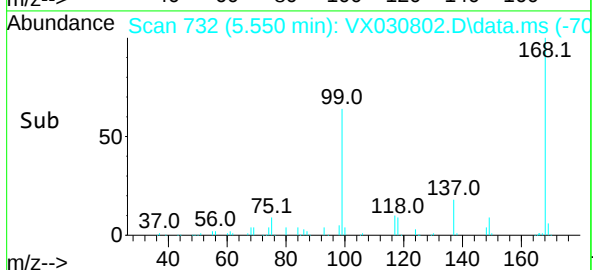
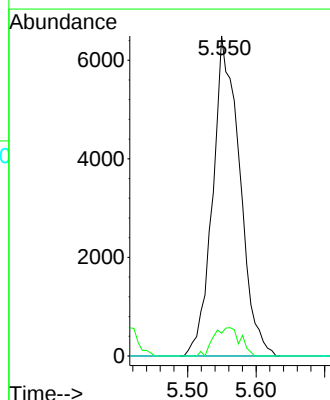
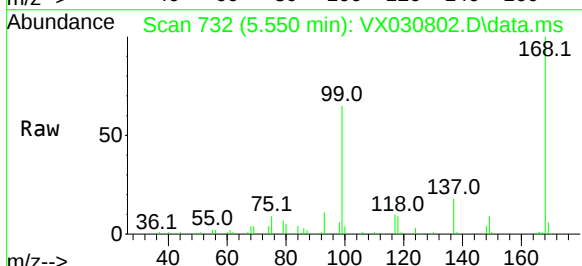
Tgt Ion: 75 Resp: 17754

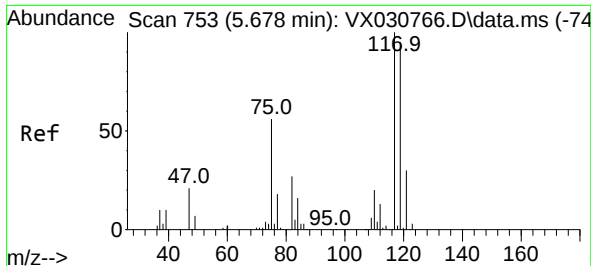
Ion Ratio Lower Upper

75 100

110 8.8 19.3 57.9#

77 0.0 24.4 36.6#

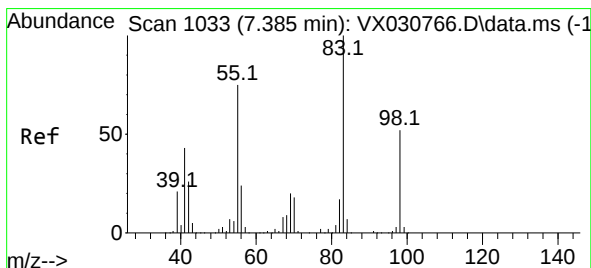
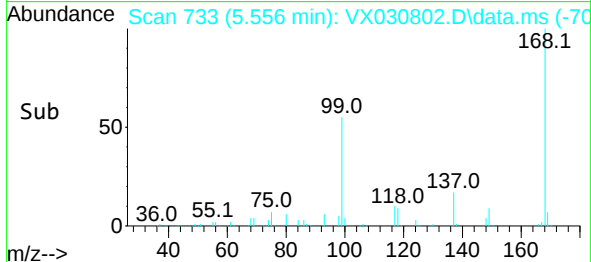
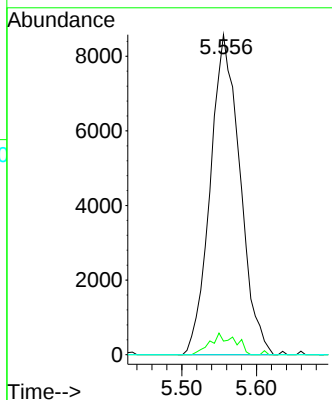
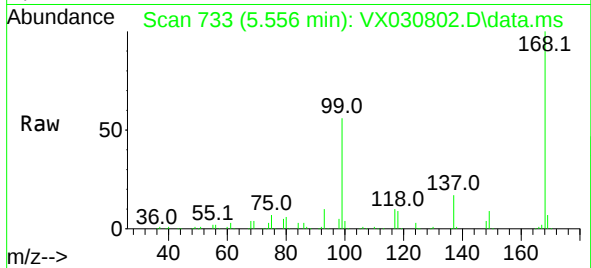




#38
Carbon Tetrachloride
Concen: 6.906 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

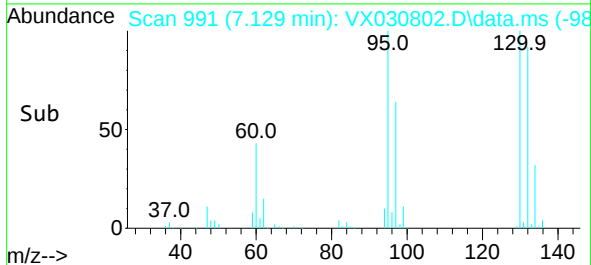
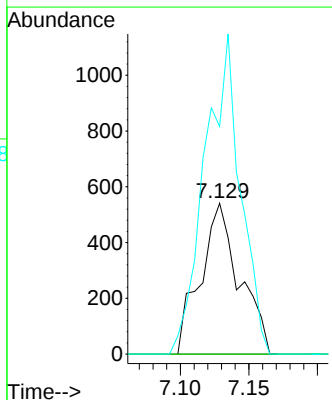
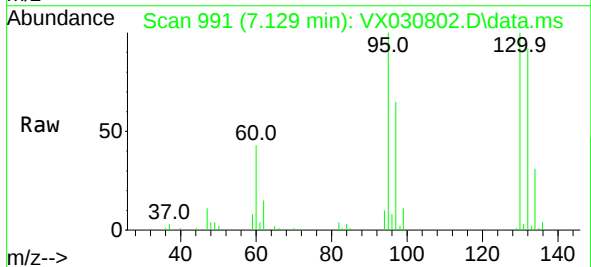
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

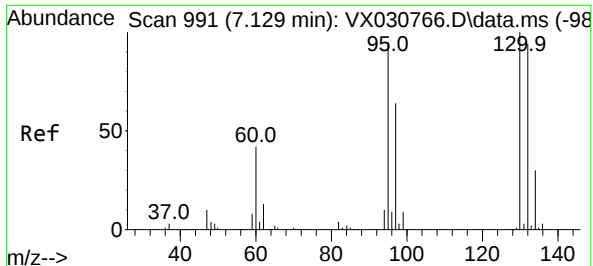
Tgt Ion:117 Resp: 23724
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.276 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 83 Resp: 1076
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 150.8 36.5 54.7#

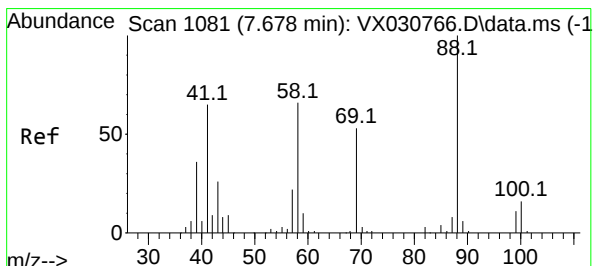
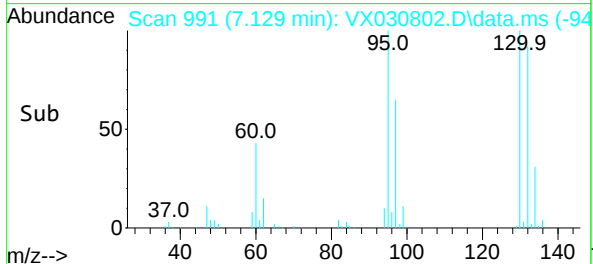
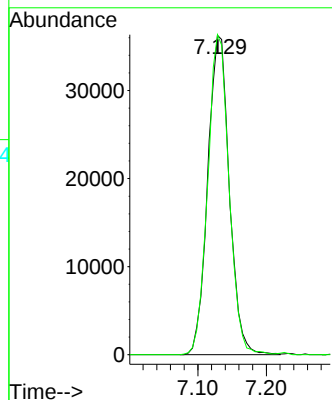
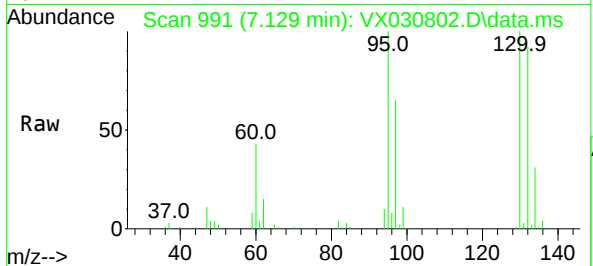




#44
Trichloroethene
Concen: 28.218 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

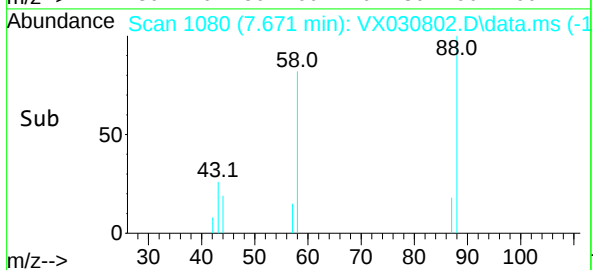
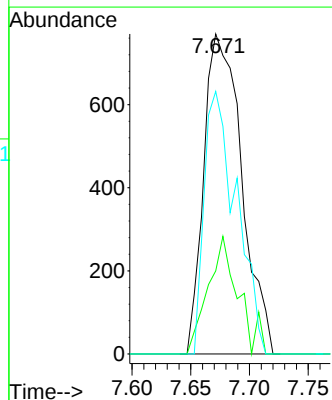
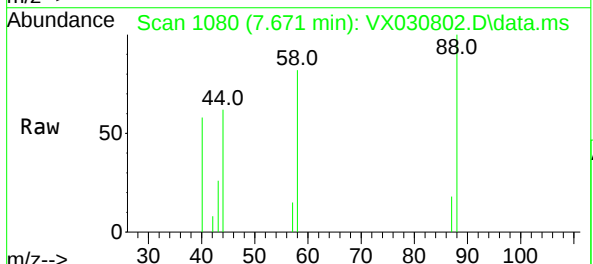
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

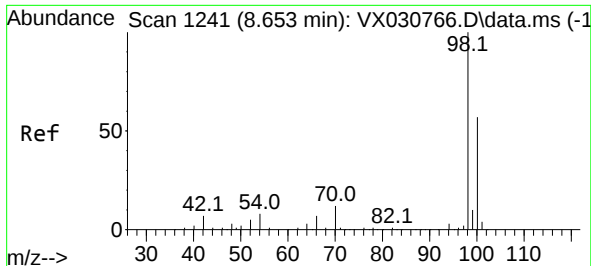
Tgt Ion:130 Resp: 79438
Ion Ratio Lower Upper
130 100
95 100.2 0.0 194.8



#49
1,4-Dioxane
Concen: 24.153 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.007 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 88 Resp: 1727
Ion Ratio Lower Upper
88 100
43 29.2 23.8 35.8
58 70.0 53.8 80.6

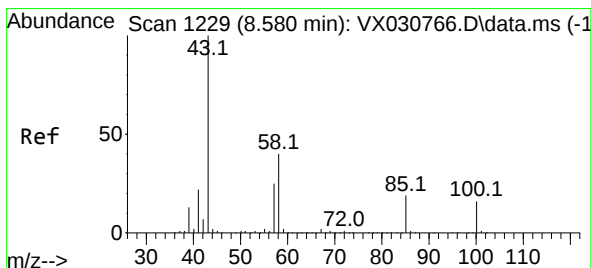
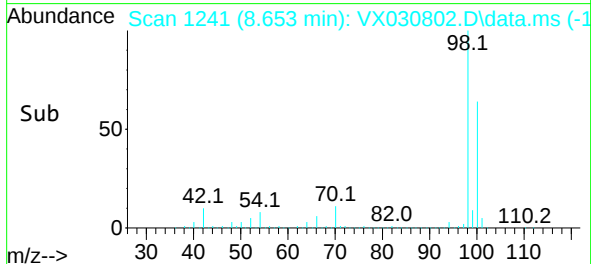
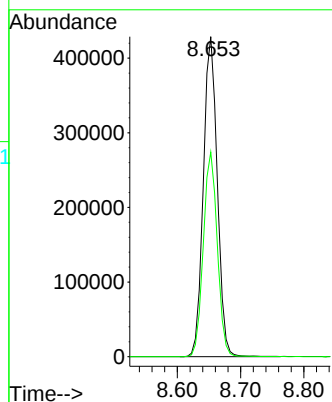
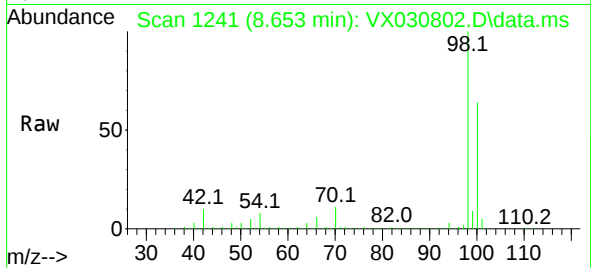




#50
Toluene-d8
Concen: 79.153 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

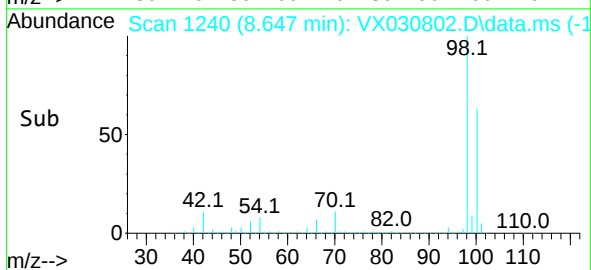
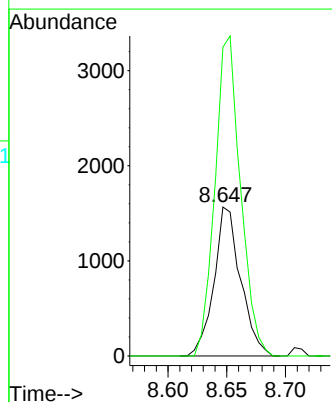
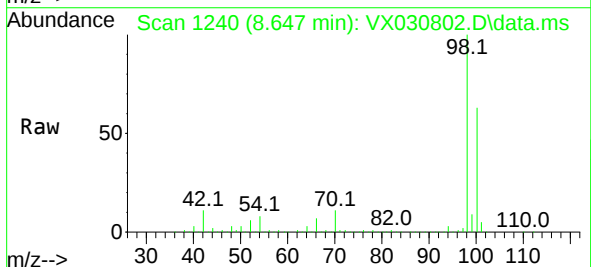
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

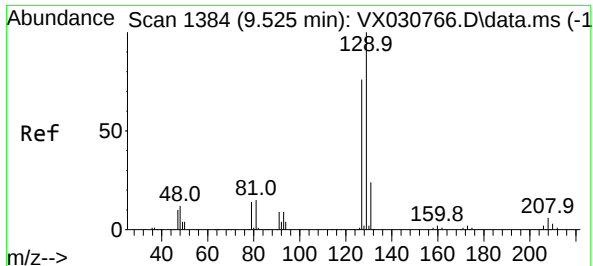
Tgt Ion: 98 Resp: 659695
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.630 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
58 206.2 31.4 47.2#

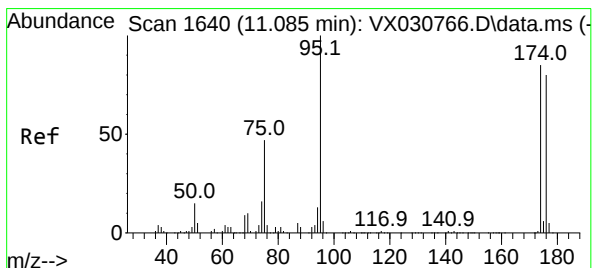
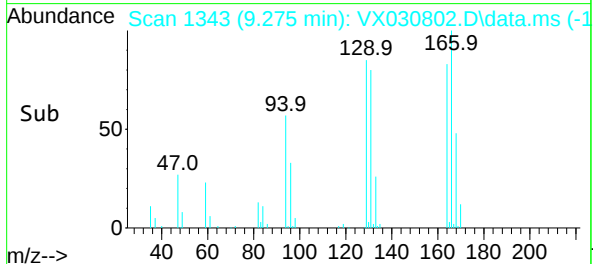
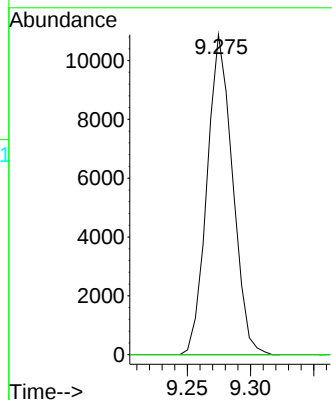
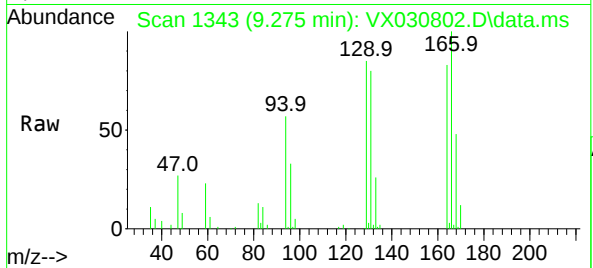




#60
Dibromochloromethane
Concen: 5.414 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

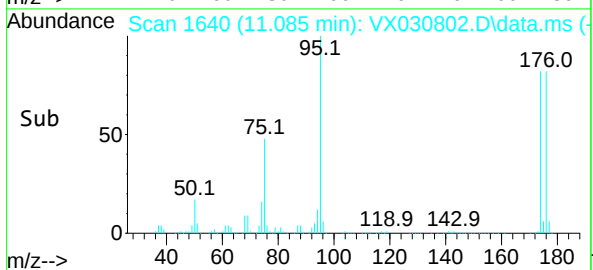
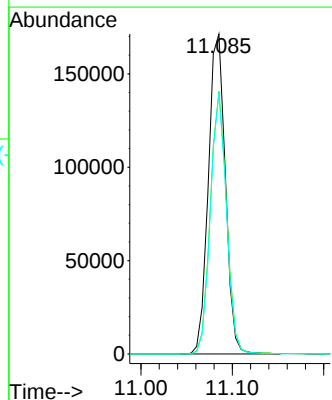
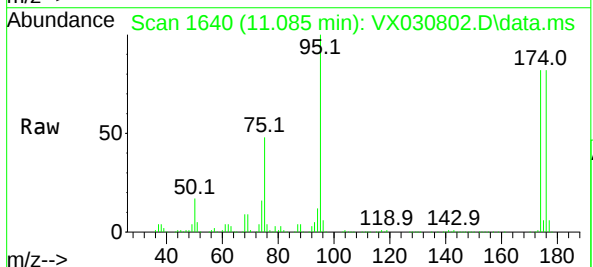
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

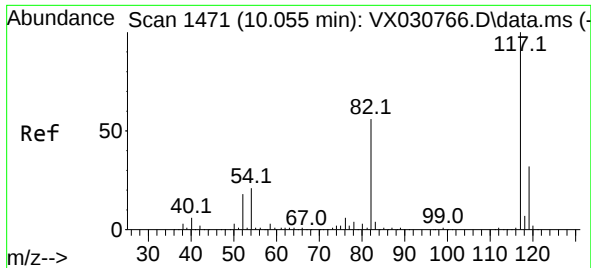
Tgt Ion:129 Resp: 15260
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 71.143 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion: 95 Resp: 220748
Ion Ratio Lower Upper
95 100
174 79.1 0.0 149.0
176 76.9 0.0 146.0

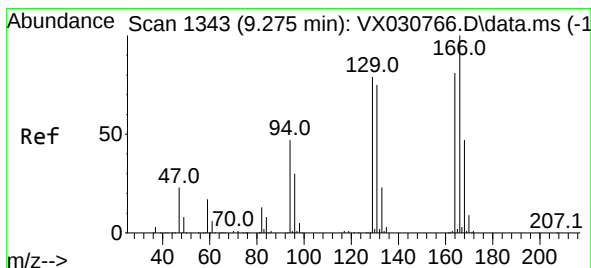
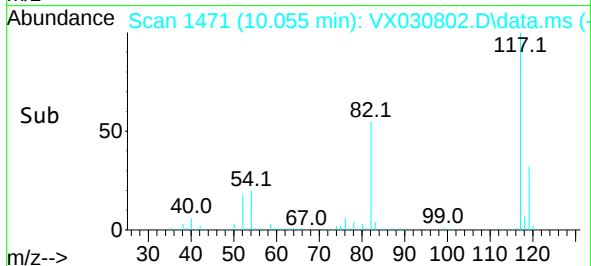
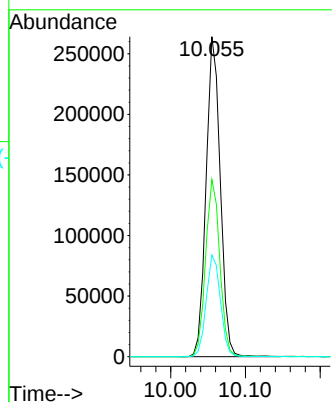
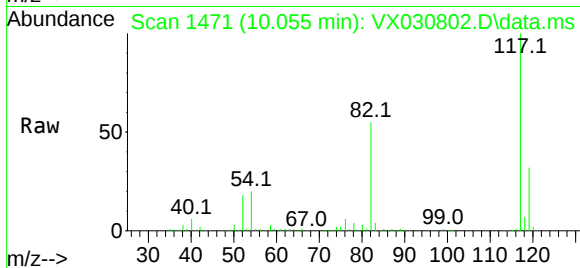




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

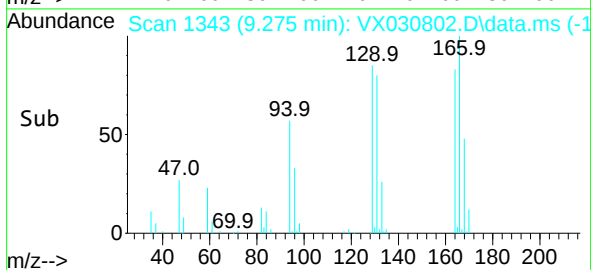
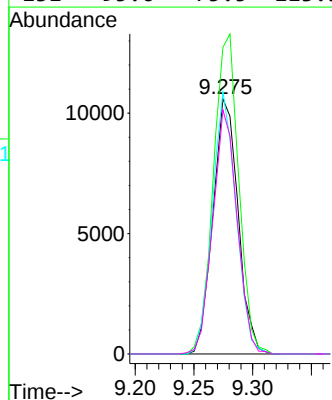
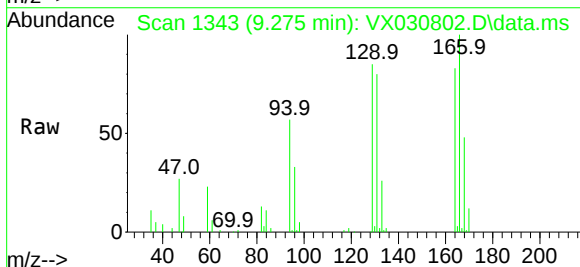
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

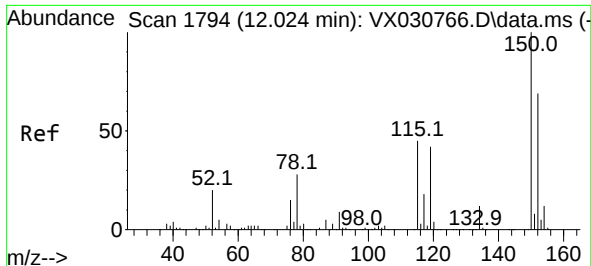
Tgt Ion:117 Resp: 348200
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 5.745 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030802.D
Acq: 26 Aug 2022 04:11

Tgt Ion:164 Resp: 15759
Ion Ratio Lower Upper
164 100
166 120.1 98.2 147.4
129 102.7 80.8 121.2
131 95.6 75.5 113.3

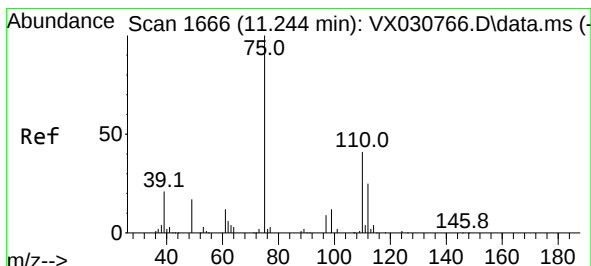
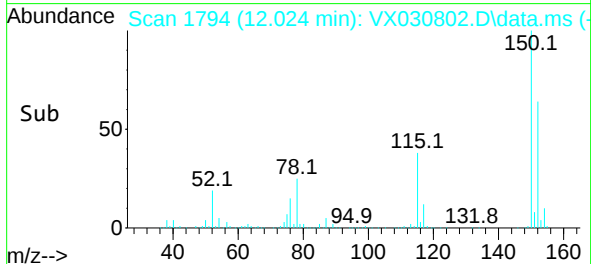
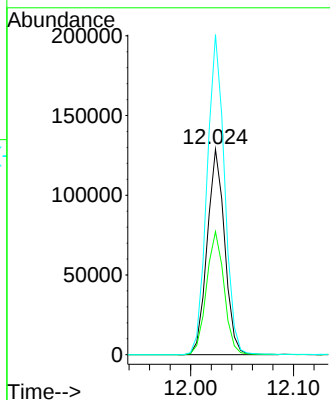
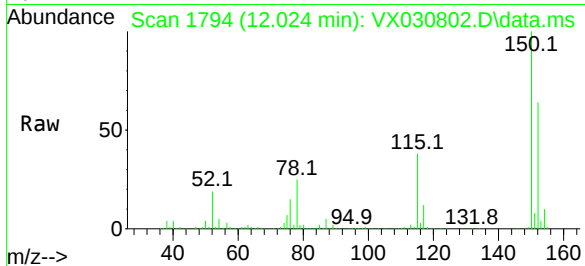




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030802.D
 Acq: 26 Aug 2022 04:11

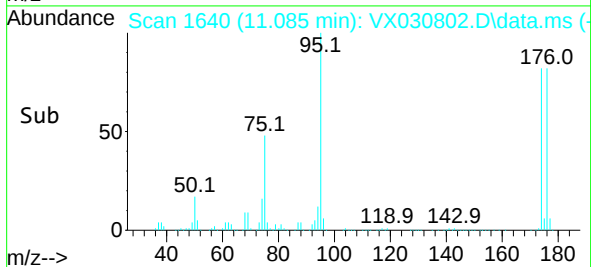
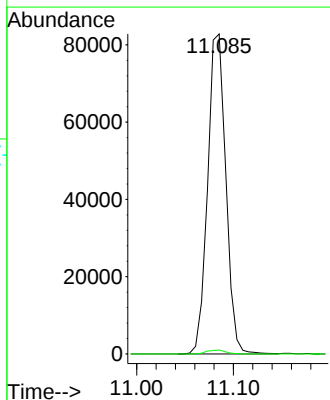
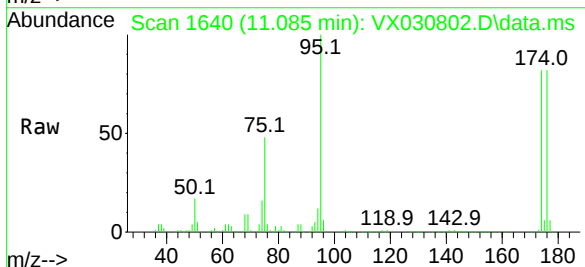
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

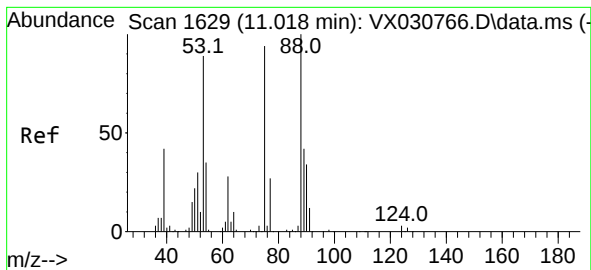
Tgt Ion:152 Resp: 152845
 Ion Ratio Lower Upper
 152 100
 115 60.4 40.5 121.5
 150 156.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 32.399 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030802.D
 Acq: 26 Aug 2022 04:11

Tgt Ion: 75 Resp: 108493
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.534 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030802.D
 Acq: 26 Aug 2022 04:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

Tgt Ion: 75 Resp: 108493
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

