

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030903.D
 Acq On : 28 Aug 2022 05:11
 Operator : JC/MD
 Sample : N4360-8
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20220824

Quant Time: Aug 29 01:16:41 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)

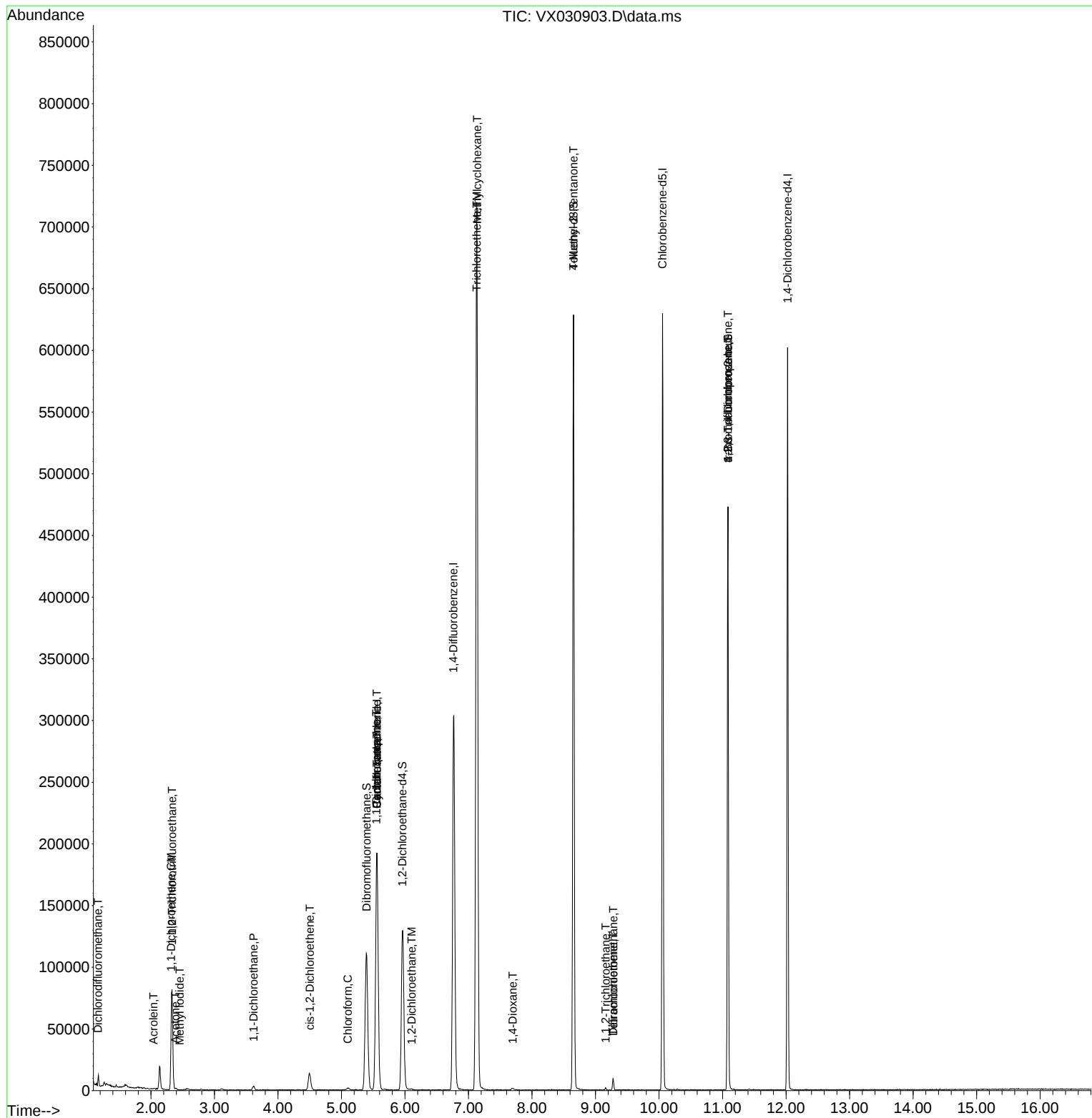
Internal Standards						
1) Pentafluorobenzene	5.556	168	167905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	300145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	132018	66.844	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 133.680%#			
35) Dibromofluoromethane	5.397	113	96646	52.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.780%			
50) Toluene-d8	8.653	98	353424	54.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.960%			
62) 4-Bromofluorobenzene	11.085	95	118638	49.574	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	2666	1.713	ug/l	97
3) Chloromethane	1.288	50	276	Below Cal	#	42
4) Vinyl Chloride	1.374	62	81	Below Cal	#	43
6) Chloroethane	1.709	64	256	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	27440	16.782	ug/l	96
10) Methyl Iodide	2.453	142	122	4.112	ug/l	# 45
12) 1,1-Dichloroethene	2.319	96	4823	3.169	ug/l	84
13) Acrolein	2.038	56	61	10.207	ug/l	# 78
16) Acetone	2.386	43	816	0.894	ug/l	# 67
17) Carbon Disulfide	2.514	76	169	Below Cal	#	74
20) Methylene Chloride	2.788	84	344	Below Cal	#	76
24) 1,1-Dichloroethane	3.617	63	3358	1.047	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	8107	4.014	ug/l	97
30) Chloroform	5.099	83	1965	0.582	ug/l	99
31) Cyclohexane	5.556	56	4249	1.682	ug/l	# 7
36) 1,1-Dichloropropene	5.550	75	15327	6.102	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	19434	7.335	ug/l	# 17
39) Methylcyclohexane	7.135	83	3557	1.183	ug/l	# 1
42) 1,2-Dichloroethane	6.104	62	1060	0.398	ug/l	# 73
44) Trichloroethene	7.129	130	258961	119.272	ug/l	90
49) 1,4-Dioxane	7.696	88	1285	23.301	ug/l	# 77
51) 4-Methyl-2-Pentanone	8.653	43	1738	0.575	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	435	0.209	ug/l	# 73
60) Dibromochloromethane	9.281	129	1739	0.800	ug/l	# 11
64) Tetrachloroethene	9.281	164	1567	0.752	ug/l	# 88
76) 1,2,3-Trichloropropane	11.085	75	64525	26.765	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.085	75	64525	86.355	ug/l	# 12

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

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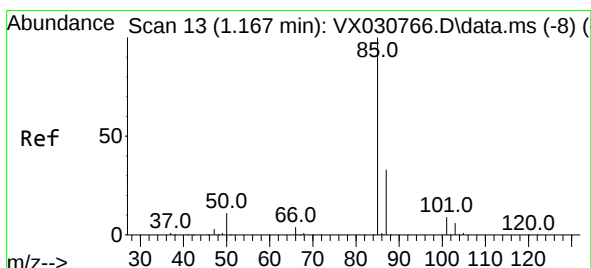
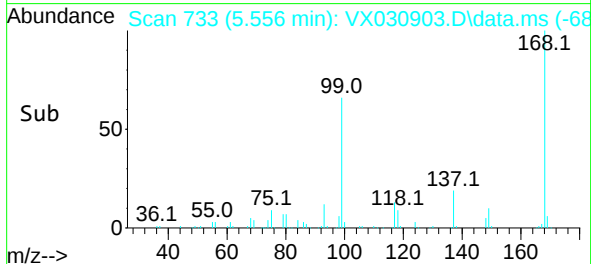
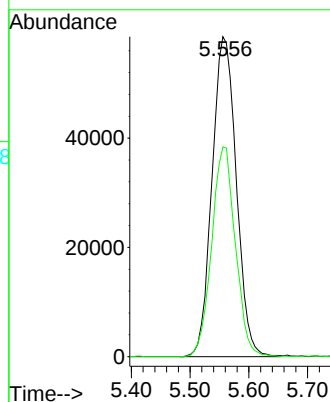
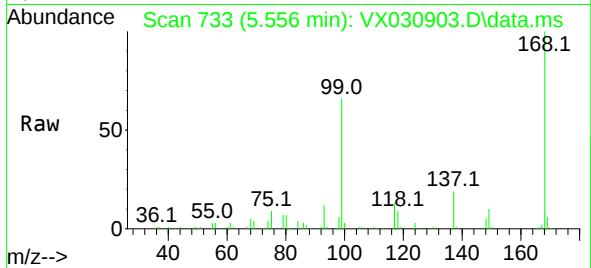




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

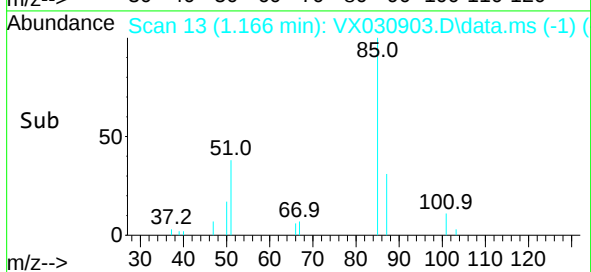
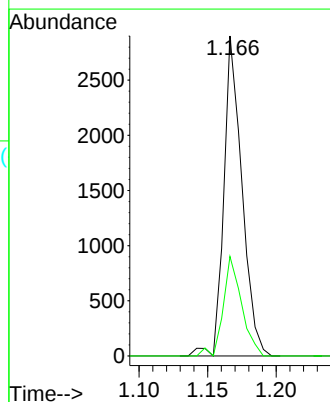
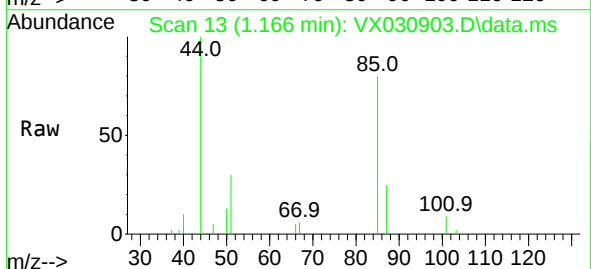
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

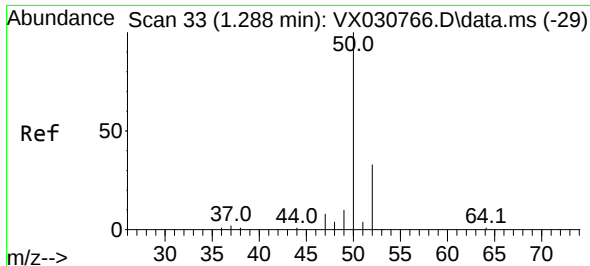
Tgt Ion:168 Resp: 167905
Ion Ratio Lower Upper
168 100
99 65.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.713 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 85 Resp: 2666
Ion Ratio Lower Upper
85 100
87 31.1 16.5 49.5

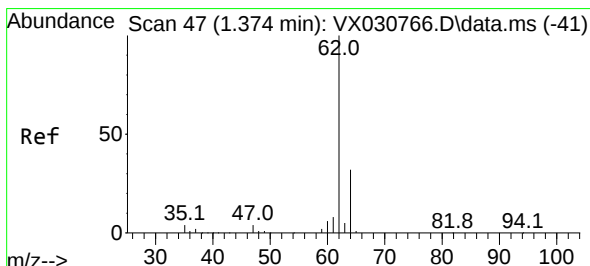
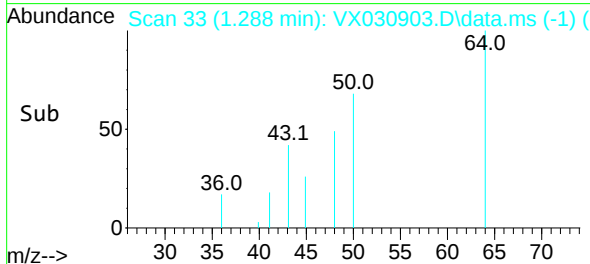
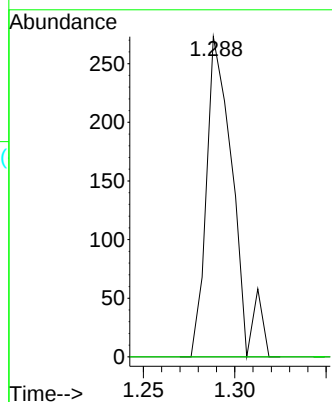
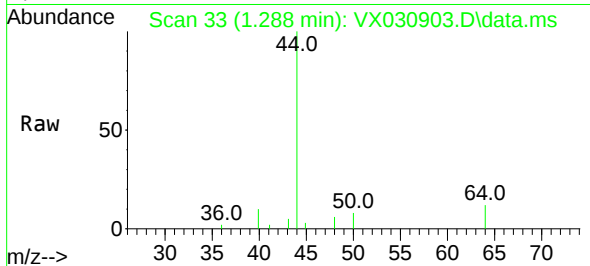




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

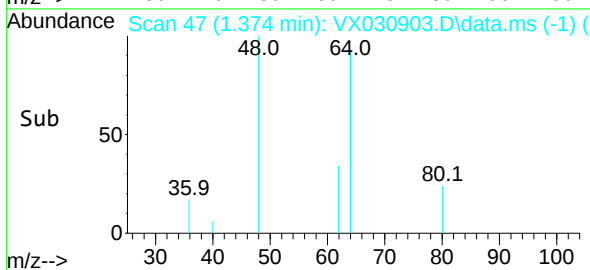
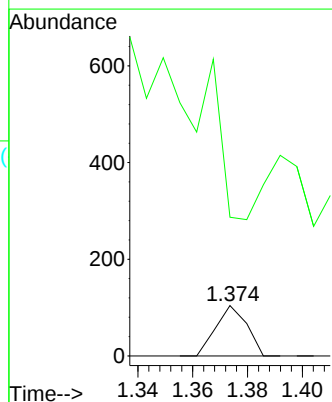
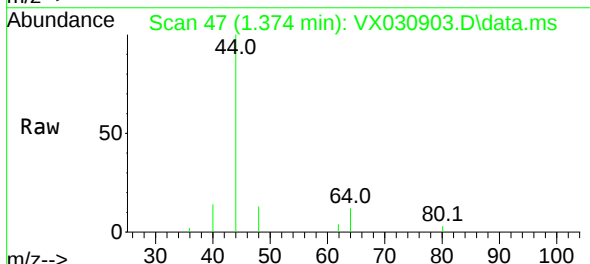
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

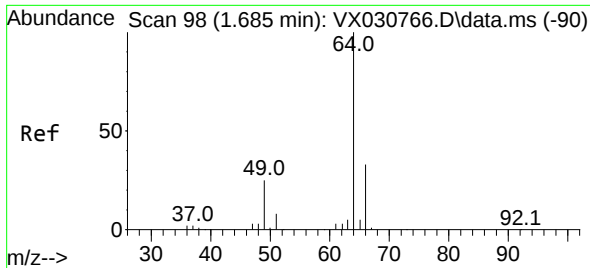
Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 62 Resp: 81
Ion Ratio Lower Upper
62 100
64 0.0 25.2 37.8#

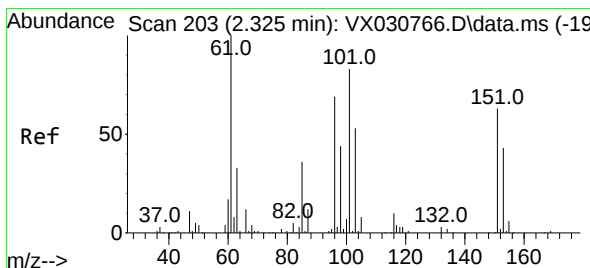
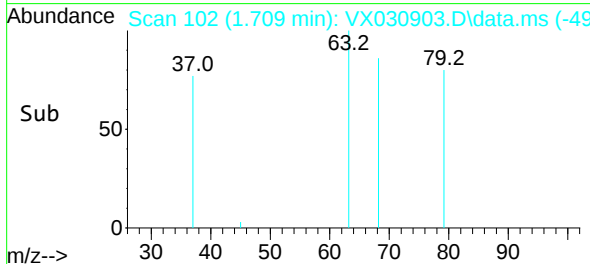
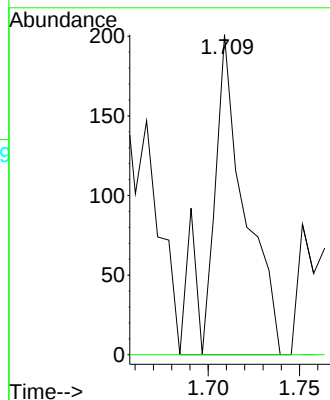
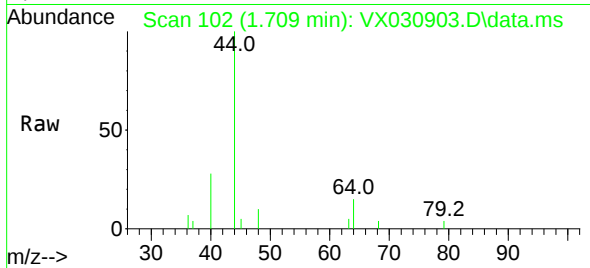




#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

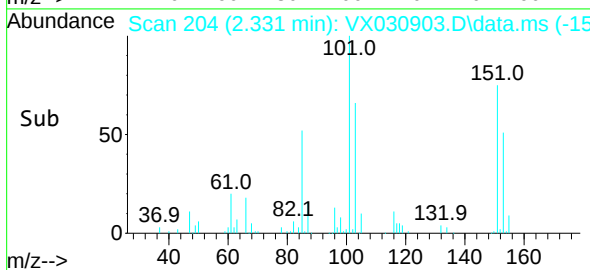
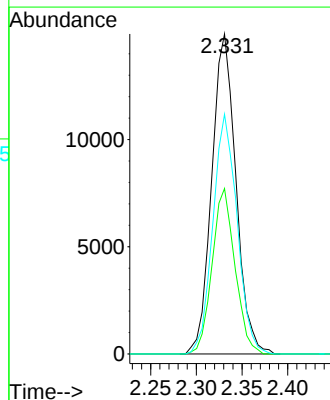
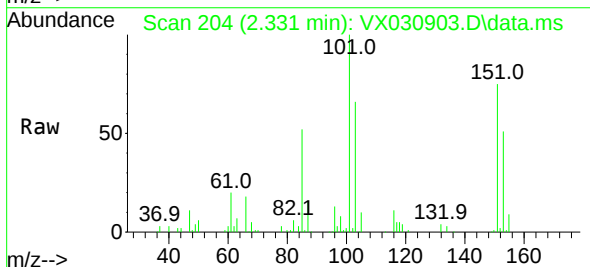
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

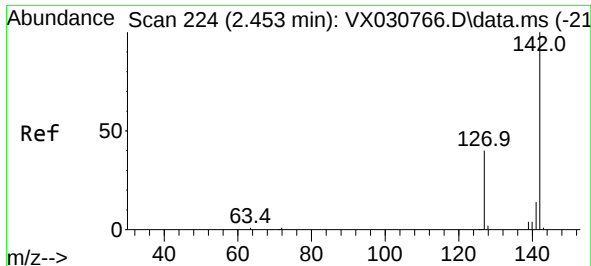
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.782 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 101 Resp: 27440
Ion Ratio Lower Upper
101 100
85 48.8 34.0 51.0
151 75.1 59.4 89.0

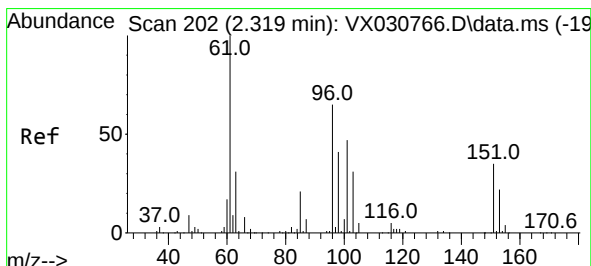
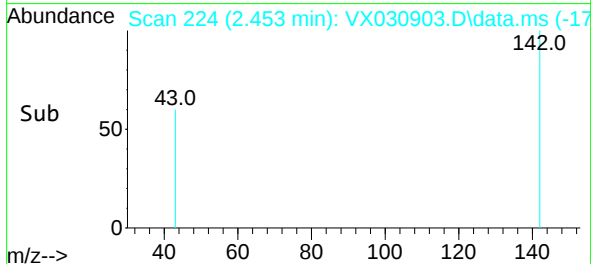
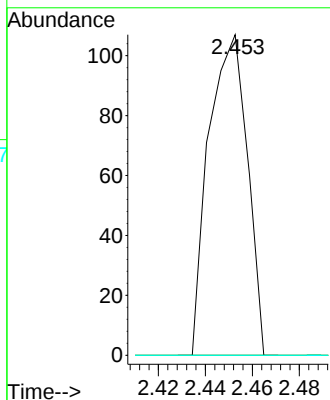
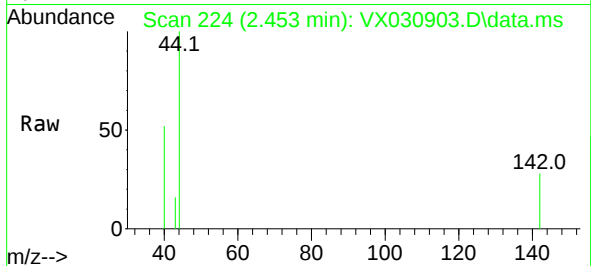




#10
Methyl Iodide
Concen: 4.112 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

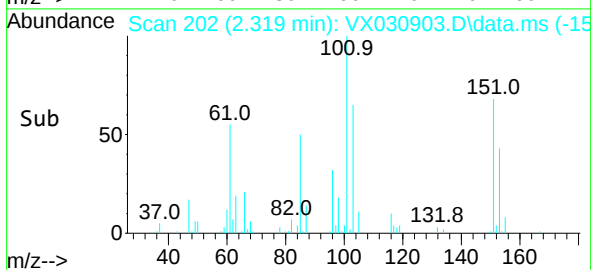
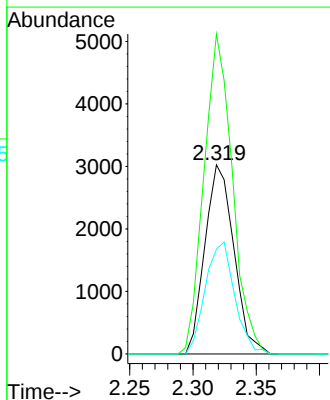
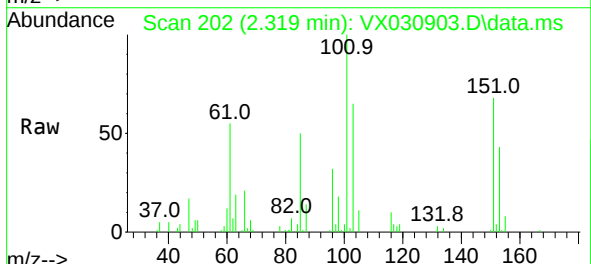
Instrument :
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ClientSampleId :
TT101D-20220824

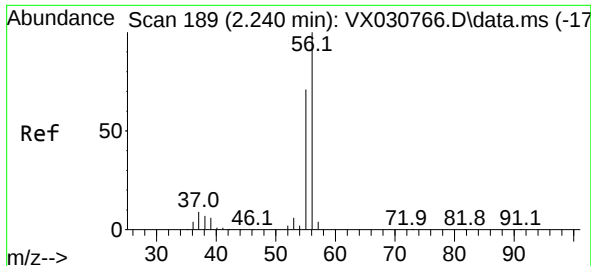
Tgt Ion:142 Resp: 122
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 3.169 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 96 Resp: 4823
Ion Ratio Lower Upper
96 100
61 169.1 117.4 176.0
98 55.3 52.2 78.4

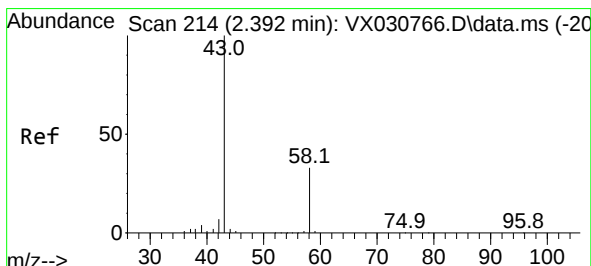
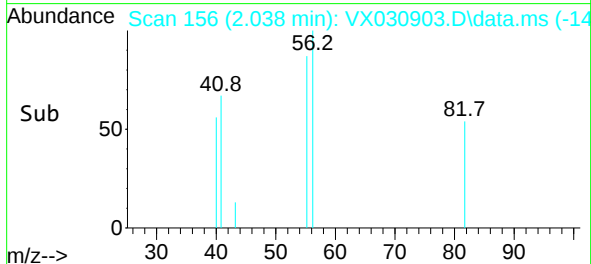
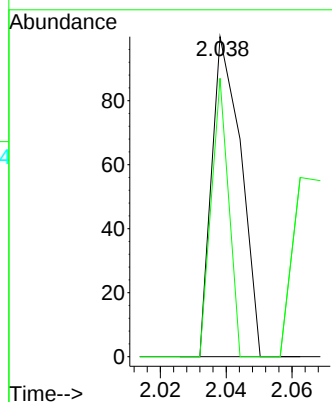
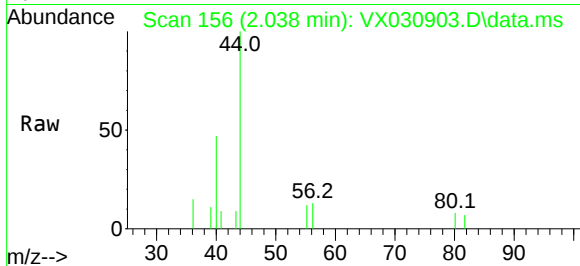




#13
Acrolein
Concen: 10.207 ug/l
RT: 2.038 min Scan# 11
Delta R.T. -0.202 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

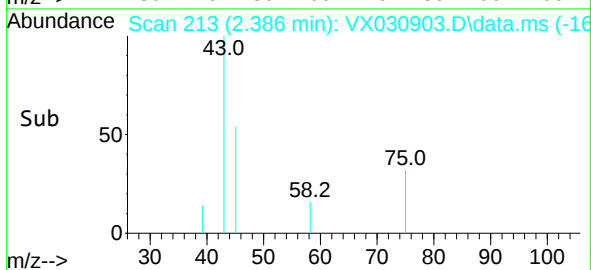
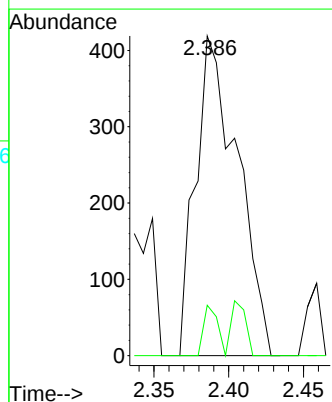
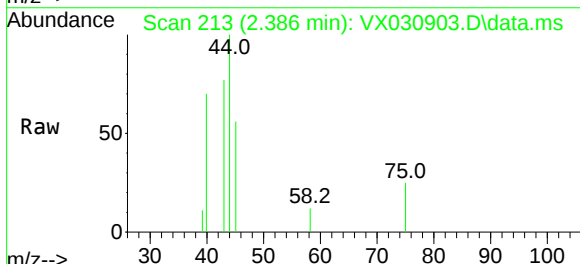
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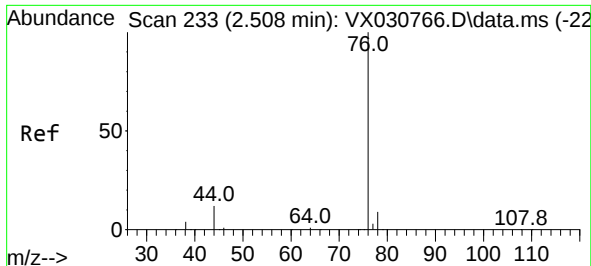
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 52.5 56.6 84.8#



#16
Acetone
Concen: 0.894 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
58 15.8 27.7 41.5#

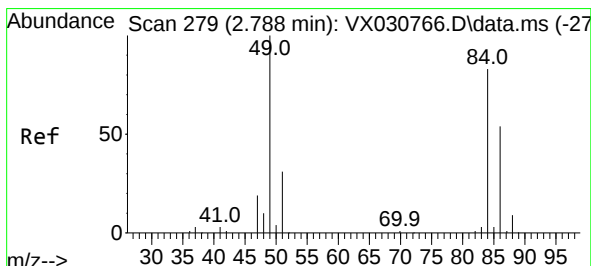
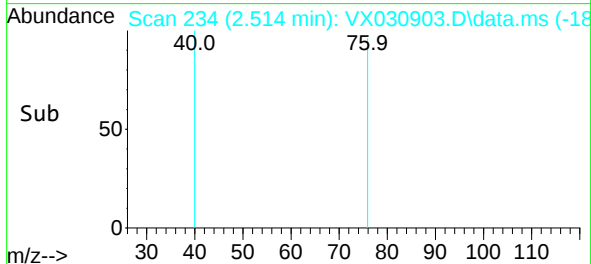
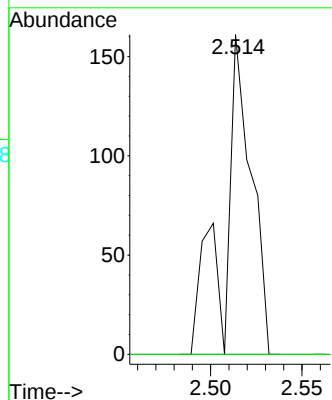
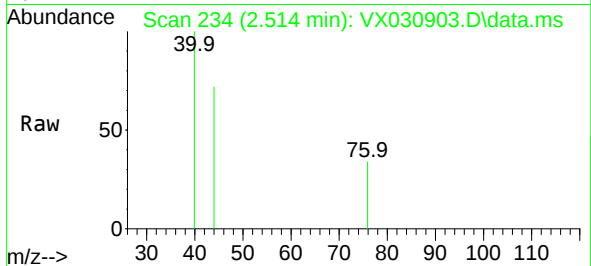




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

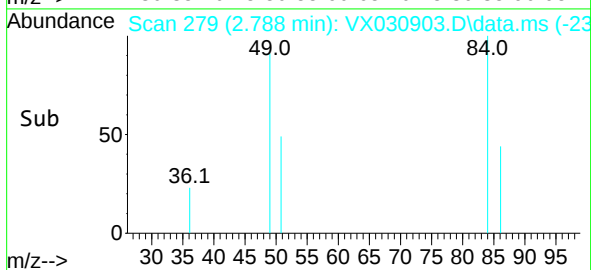
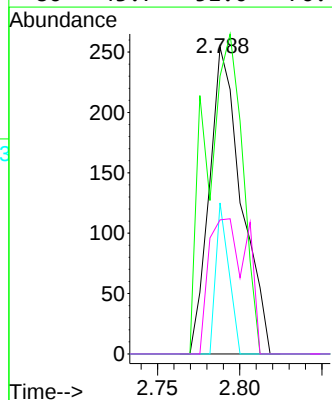
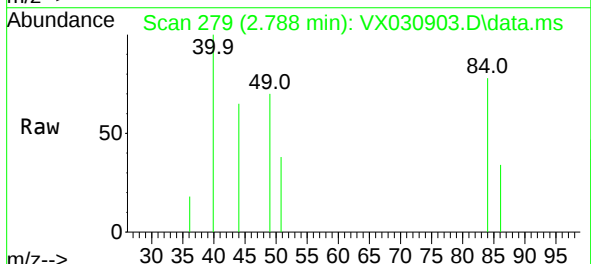
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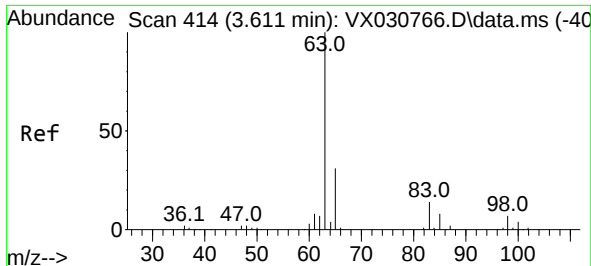
Tgt Ion: 76 Resp: 169
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 84 Resp: 344
Ion Ratio Lower Upper
84 100
49 90.6 93.8 140.6#
51 49.2 29.4 44.0#
86 43.7 51.0 76.4#

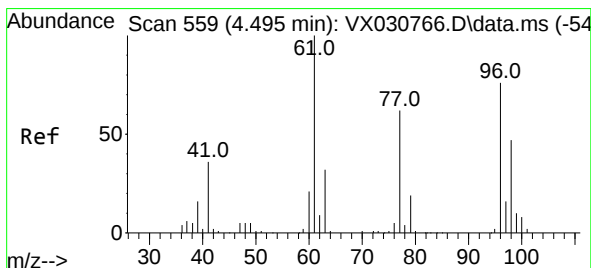
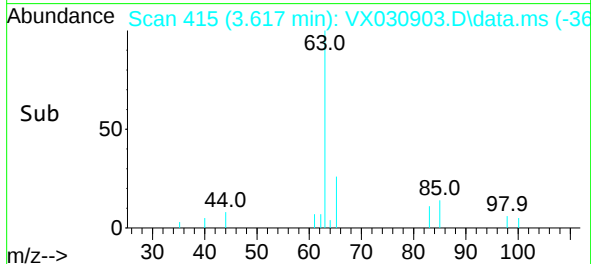
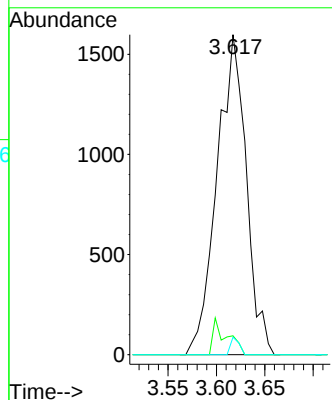
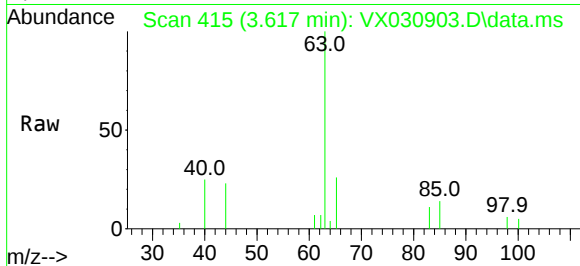




#24
 1,1-Dichloroethane
 Concen: 1.047 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX030903.D
 Acq: 28 Aug 2022 05:11

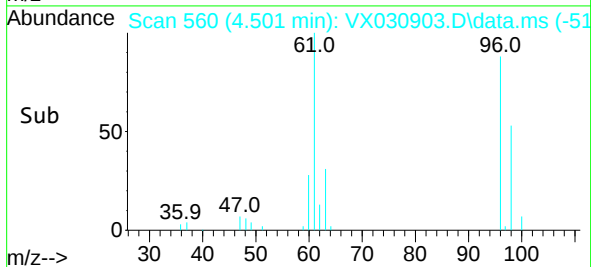
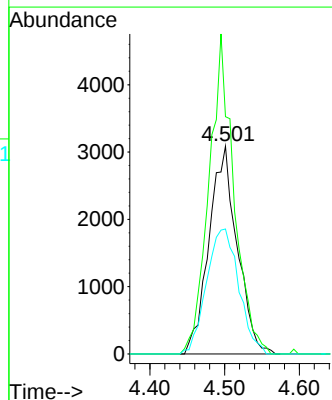
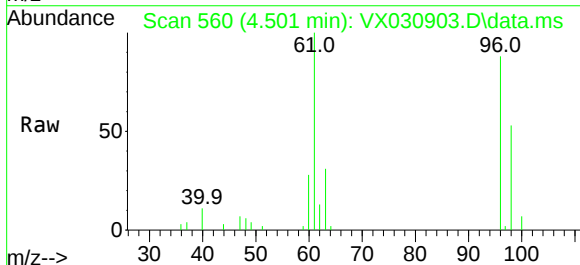
Instrument :
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 TT101D-20220824

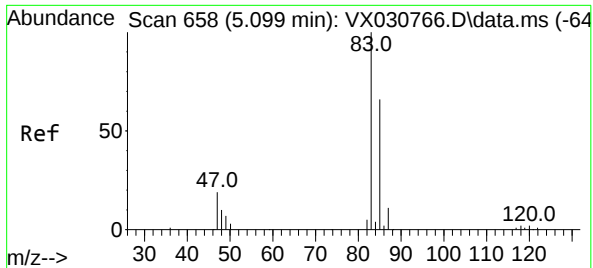
Tgt Ion: 63 Resp: 3358
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 5.4 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 4.014 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: VX030903.D
 Acq: 28 Aug 2022 05:11

Tgt Ion: 96 Resp: 8107
 Ion Ratio Lower Upper
 96 100
 61 136.4 0.0 270.0
 98 68.7 0.0 127.8

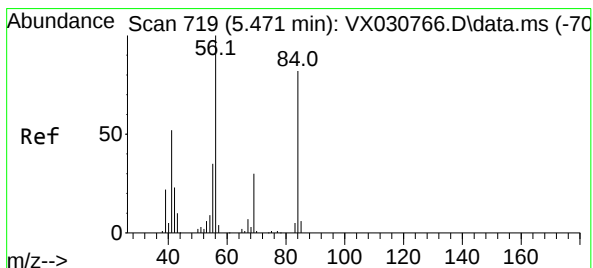
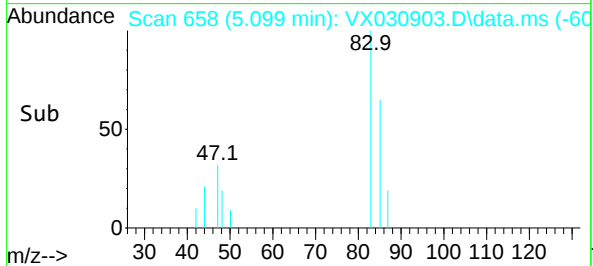
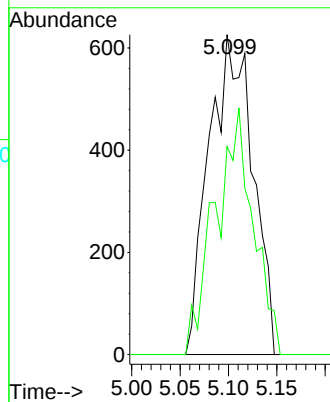
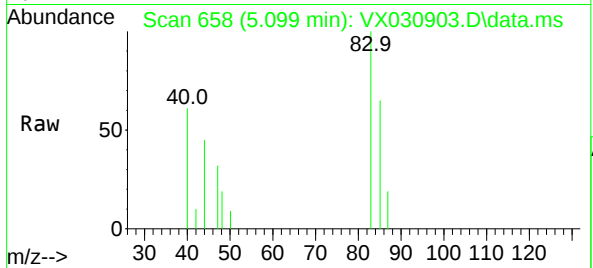




#30
Chloroform
Concen: 0.582 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

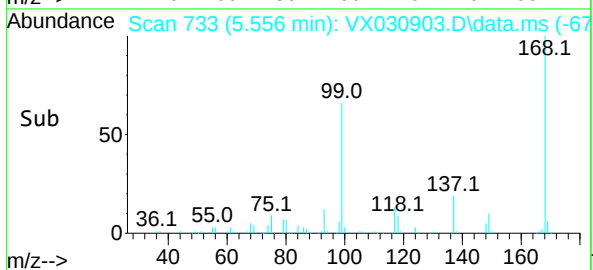
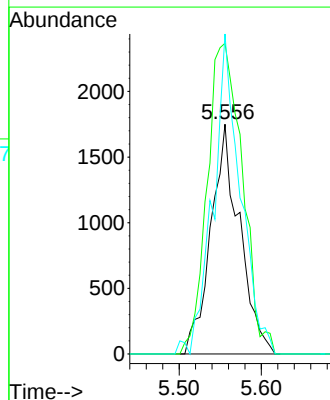
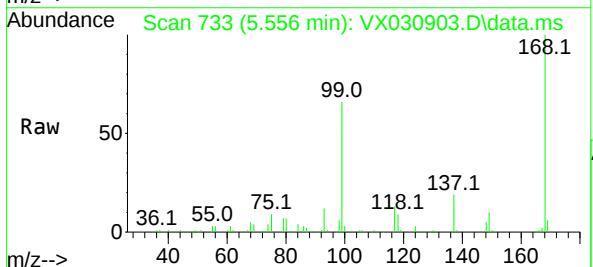
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

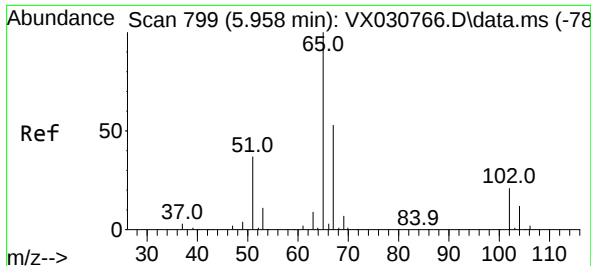
Tgt Ion: 83 Resp: 1965
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3



#31
Cyclohexane
Concen: 1.682 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 56 Resp: 4249
Ion Ratio Lower Upper
56 100
69 135.3 25.4 38.0#
84 139.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 66.844 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

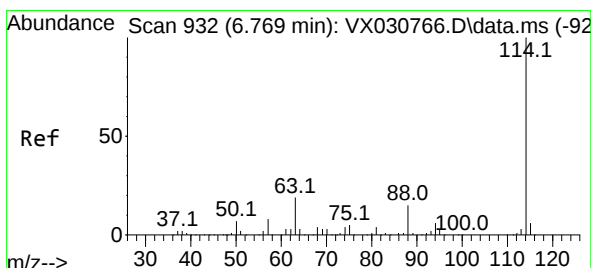
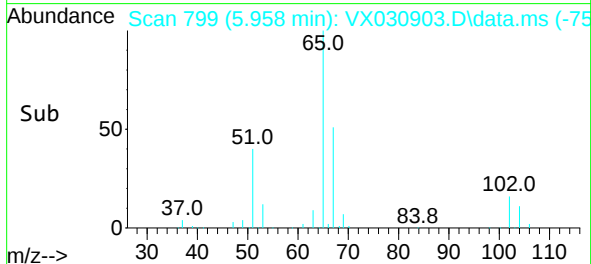
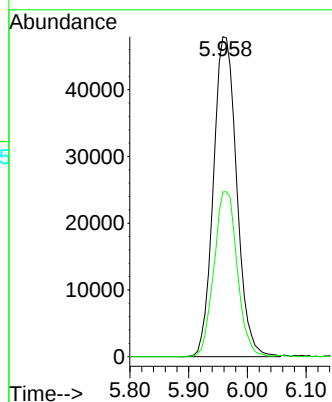
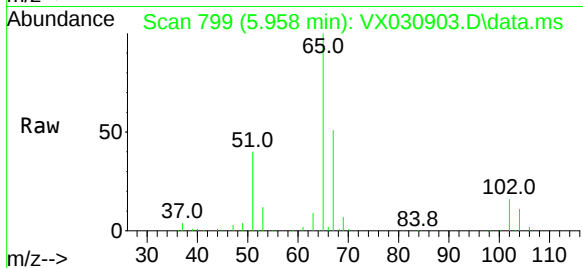
TT101D-20220824

Tgt Ion: 65 Resp: 132018

Ion Ratio Lower Upper

65 100

67 51.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

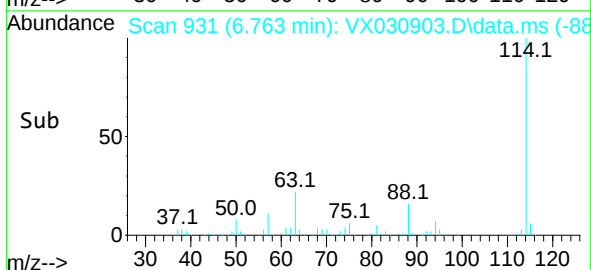
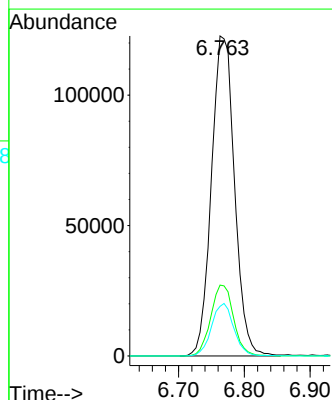
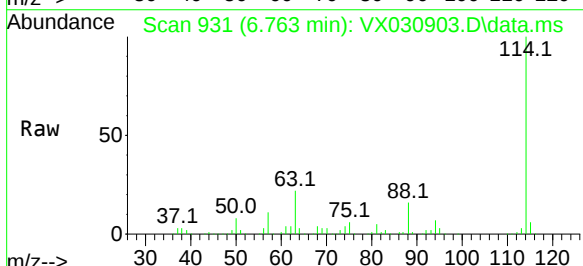
Tgt Ion: 114 Resp: 300145

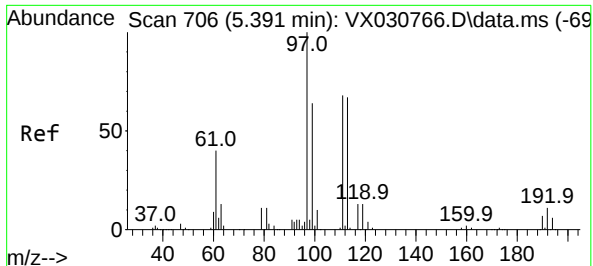
Ion Ratio Lower Upper

114 100

63 22.1 0.0 38.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.393 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20220824

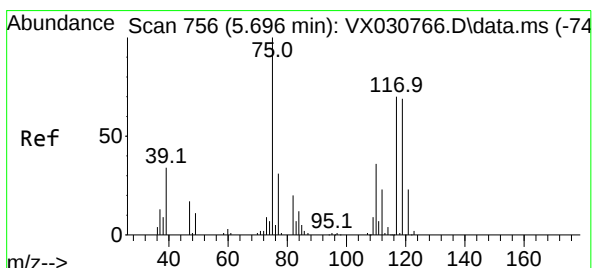
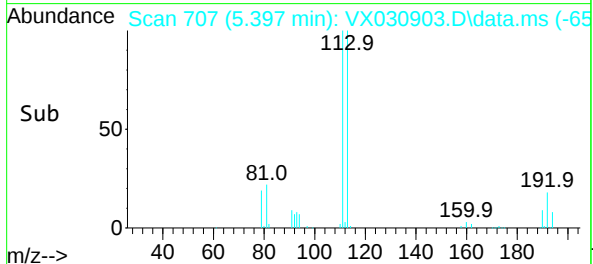
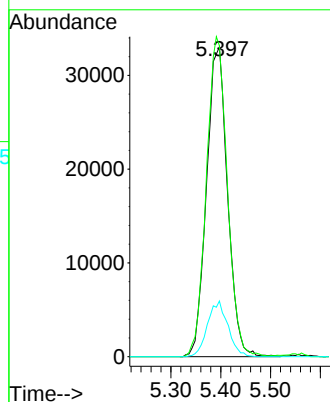
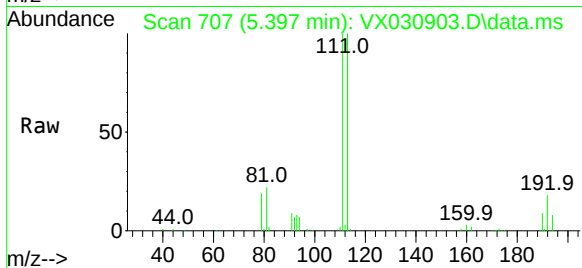
Tgt Ion:113 Resp: 96646

Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

192 17.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.102 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

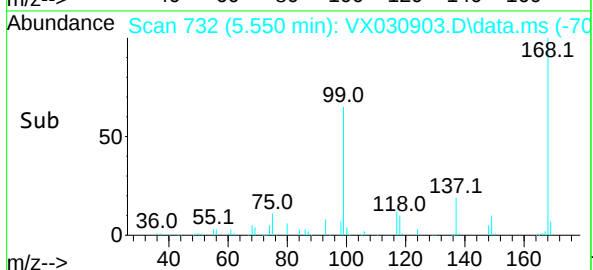
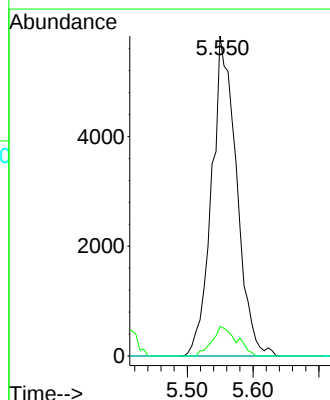
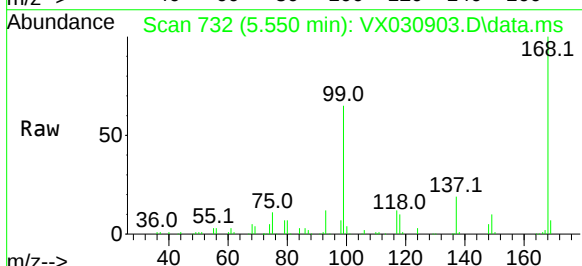
Tgt Ion: 75 Resp: 15327

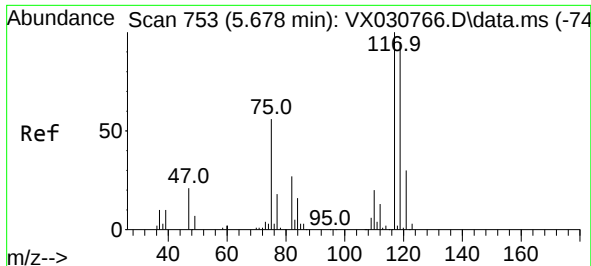
Ion Ratio Lower Upper

75 100

110 9.1 19.3 57.9#

77 0.0 24.4 36.6#

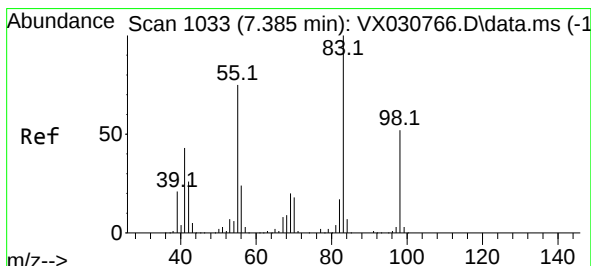
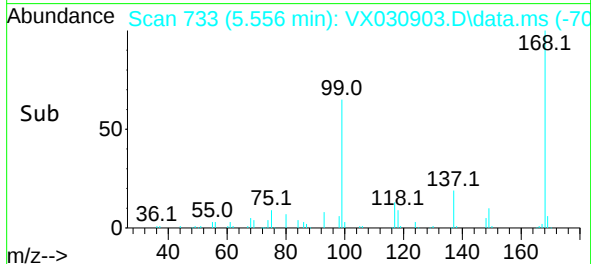
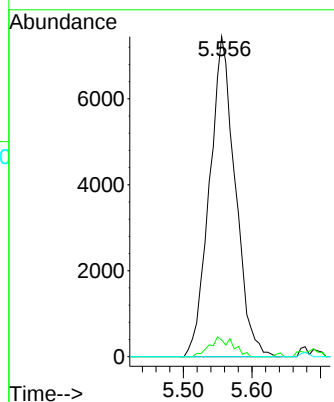
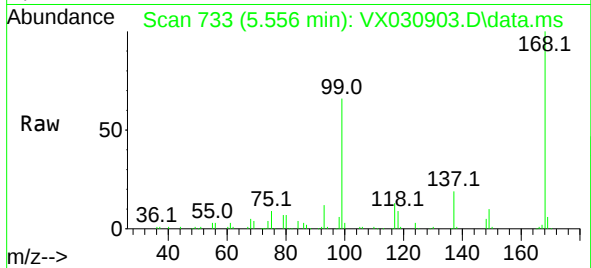




#38
Carbon Tetrachloride
Concen: 7.335 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

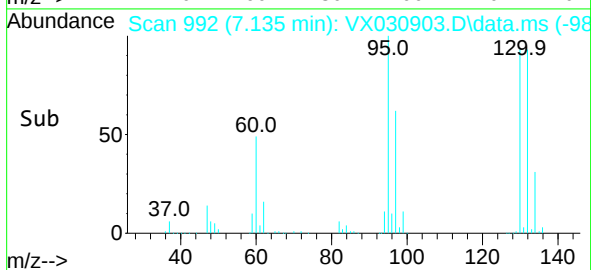
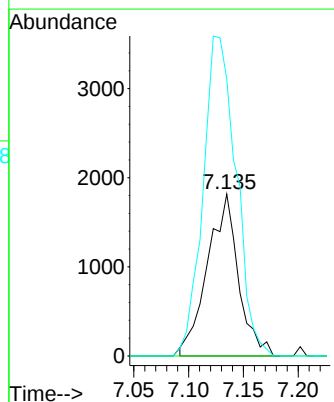
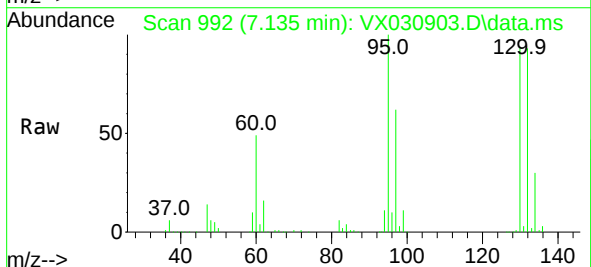
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

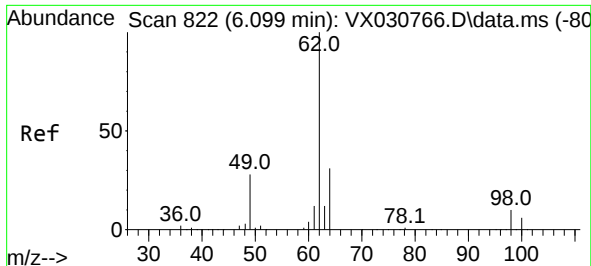
Tgt Ion:117 Resp: 19434
Ion Ratio Lower Upper
117 100
119 5.3 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 1.183 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 83 Resp: 3557
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 167.7 36.5 54.7#





#42

1,2-Dichloroethane

Concen: 0.398 ug/l

RT: 6.104 min Scan# 81

Delta R.T. 0.005 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

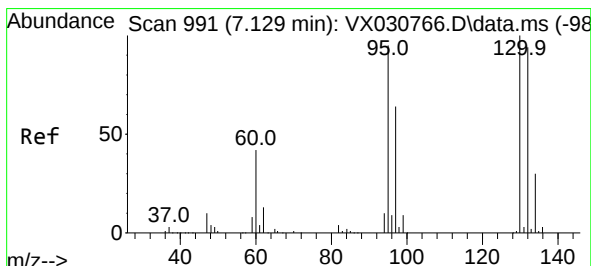
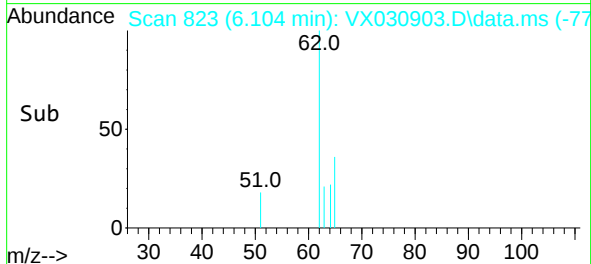
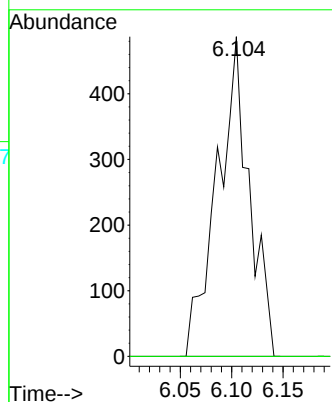
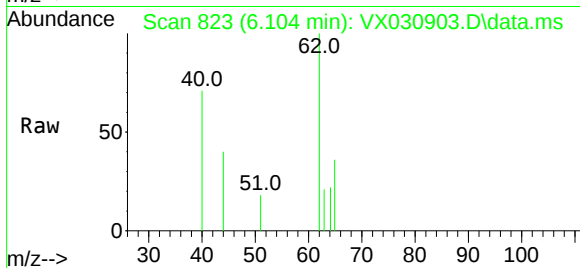
TT101D-20220824

Tgt Ion: 62 Resp: 1060

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 119.272 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030903.D

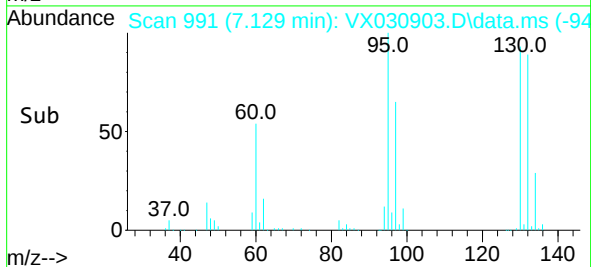
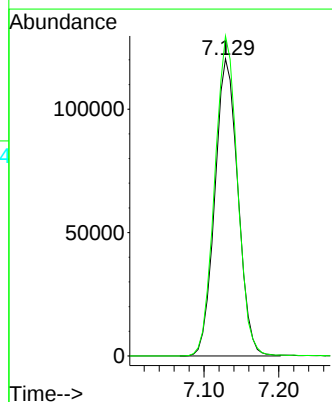
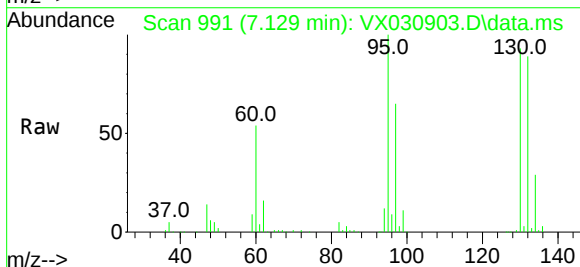
Acq: 28 Aug 2022 05:11

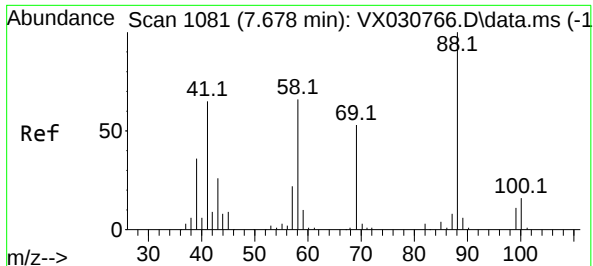
Tgt Ion:130 Resp: 258961

Ion Ratio Lower Upper

130 100

95 107.7 0.0 194.8





#49

1,4-Dioxane

Concen: 23.301 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.018 min

Lab File: VX030903.D

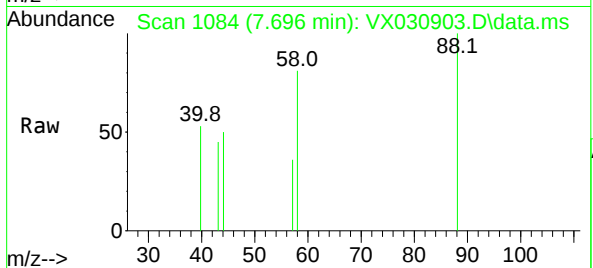
Acq: 28 Aug 2022 05:11

Instrument :

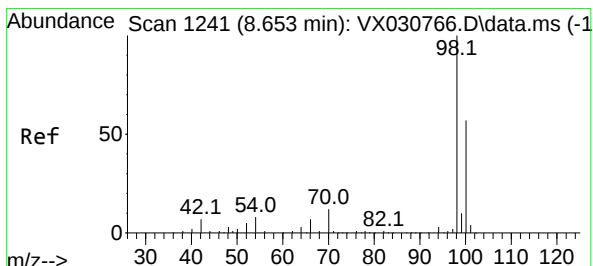
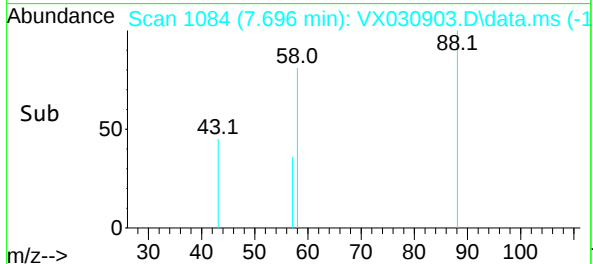
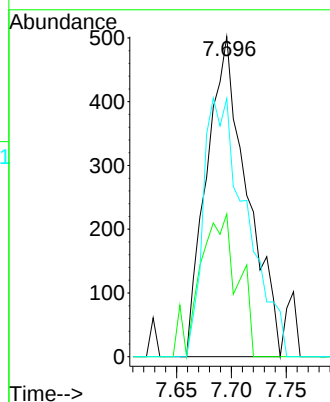
MSVOA_X

ClientSampleId :

TT101D-20220824



Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.9	23.8	35.8#
58	86.4	53.8	80.6#



#50

Toluene-d8

Concen: 54.982 ug/l

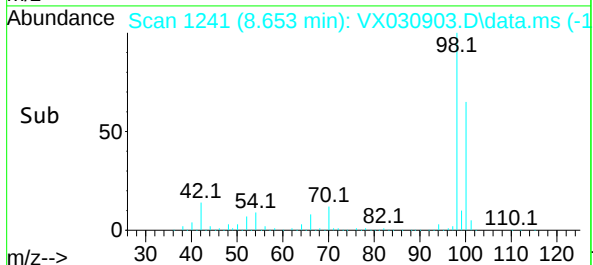
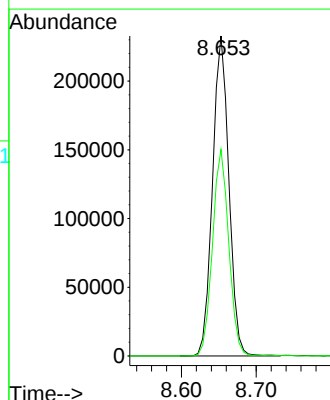
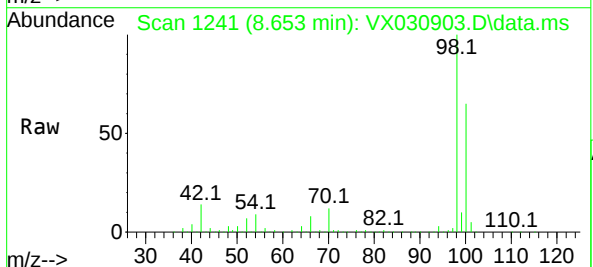
RT: 8.653 min Scan# 1241

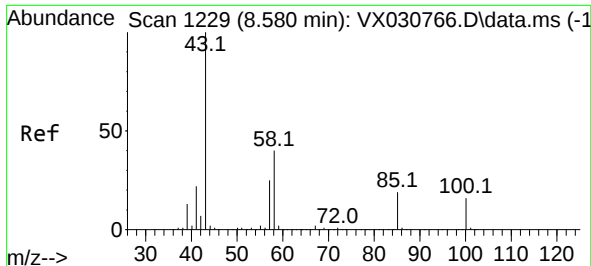
Delta R.T. -0.000 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.3	78.5

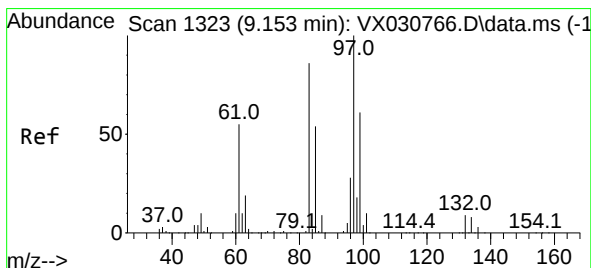
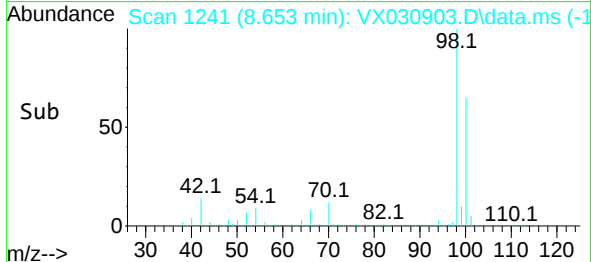
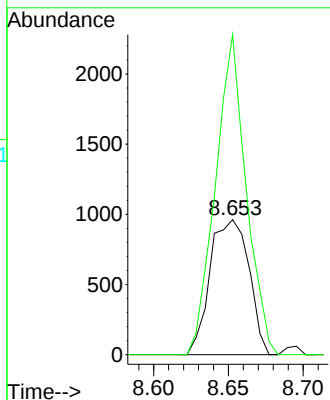
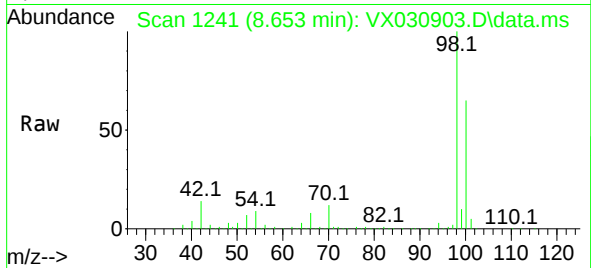




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

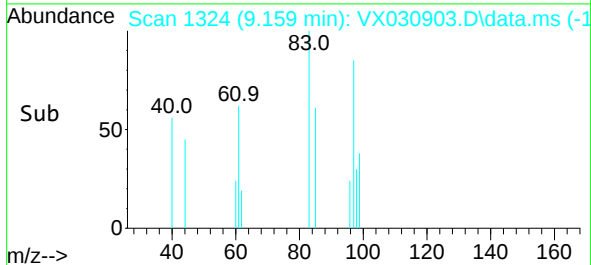
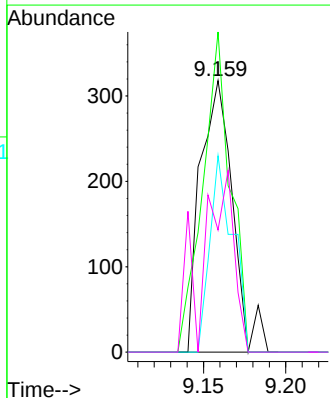
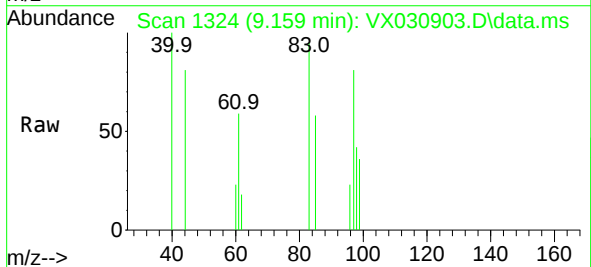
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

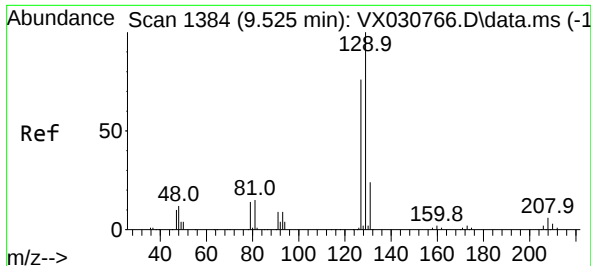
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
58 187.7 31.4 47.2#



#55
1,1,2-Trichloroethane
Concen: 0.209 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 97 Resp: 435
Ion Ratio Lower Upper
97 100
83 117.9 68.9 103.3#
85 72.3 44.0 66.0#
99 45.0 48.3 72.5#

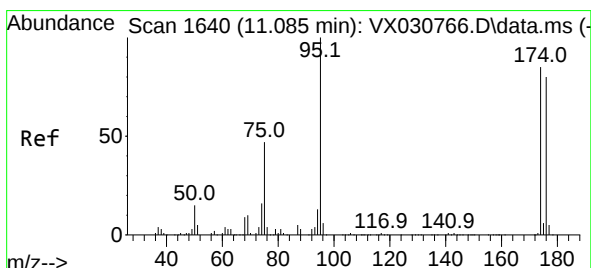
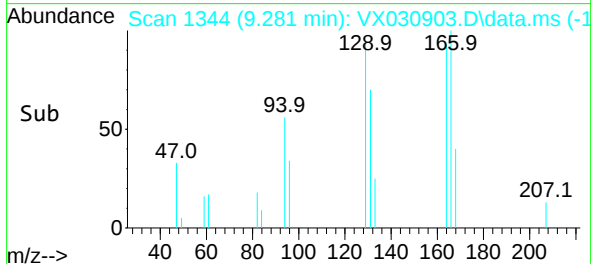
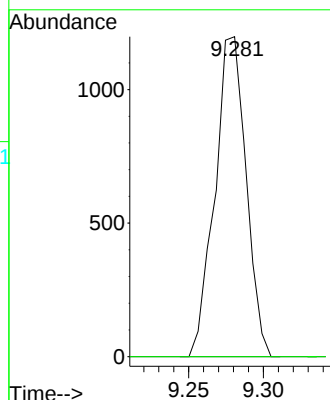
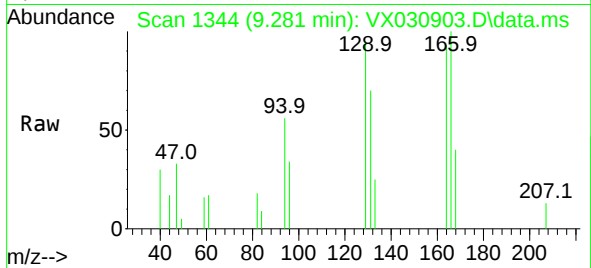




#60
Dibromochloromethane
Concen: 0.800 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

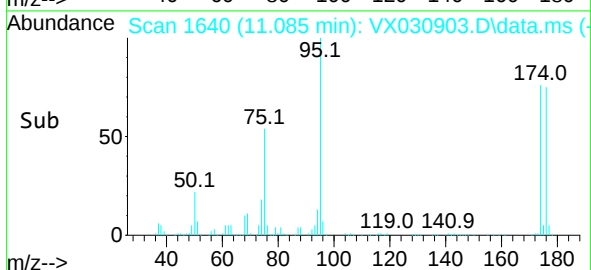
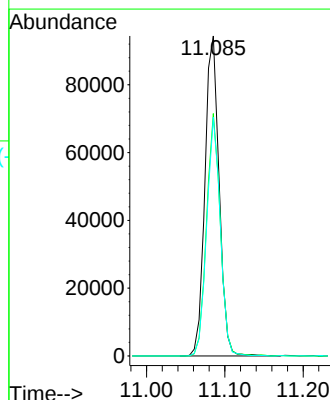
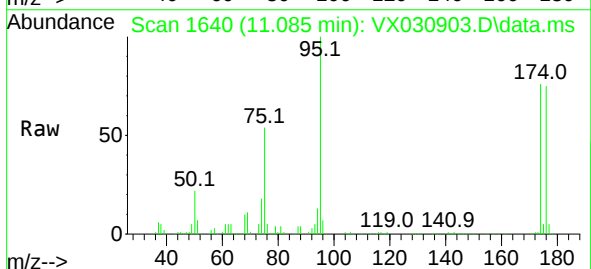
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20220824

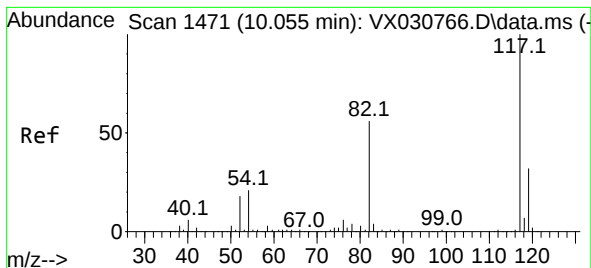
Tgt Ion:129 Resp: 1739
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 49.574 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030903.D
Acq: 28 Aug 2022 05:11

Tgt Ion: 95 Resp: 118638
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.0
176 71.4 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: VX030903.D

Acq: 28 Aug 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20220824

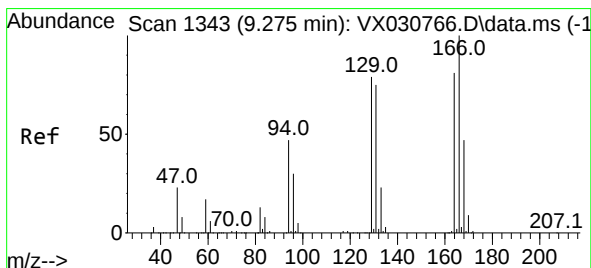
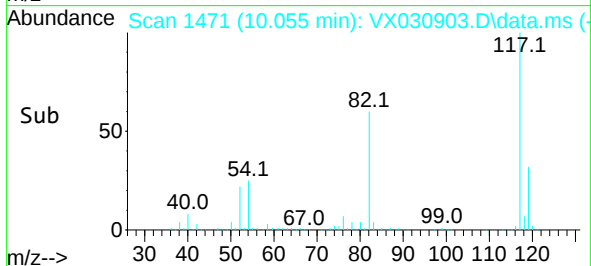
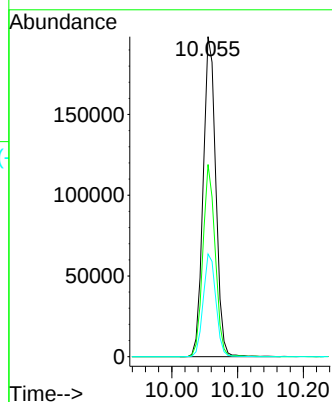
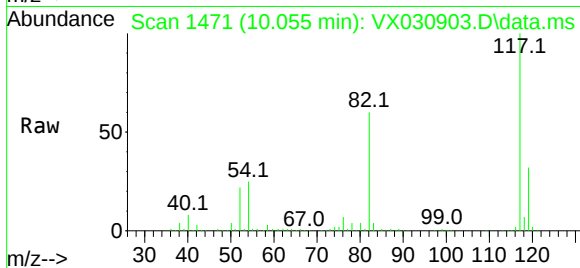
Tgt Ion:117 Resp: 264693

Ion Ratio Lower Upper

117 100

82 60.0 42.7 64.1

119 32.1 25.4 38.2



#64

Tetrachloroethene

Concen: 0.752 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX030903.D

Acq: 28 Aug 2022 05:11

Tgt Ion:164 Resp: 1567

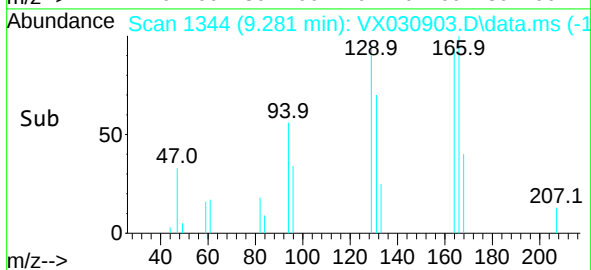
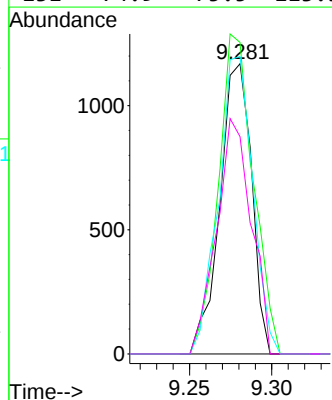
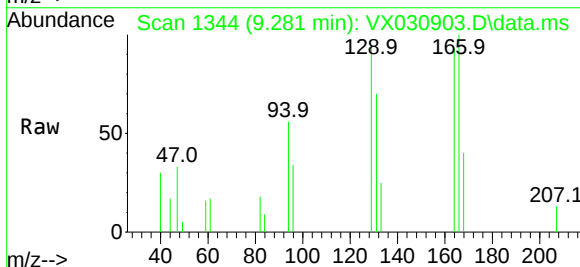
Ion Ratio Lower Upper

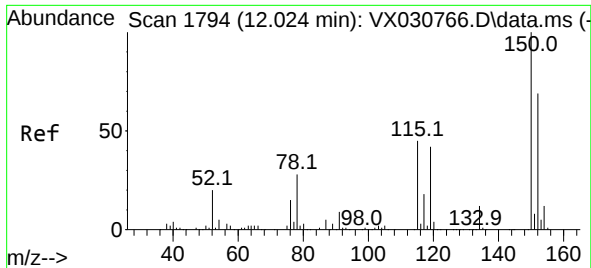
164 100

166 107.4 98.2 147.4

129 102.5 80.8 121.2

131 74.9 75.5 113.3#

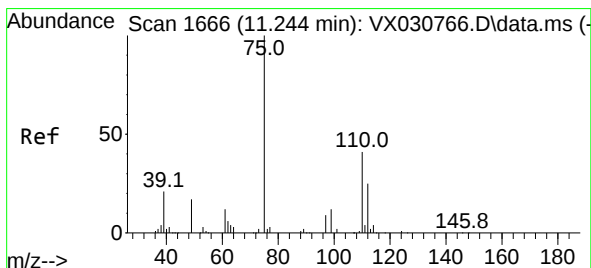
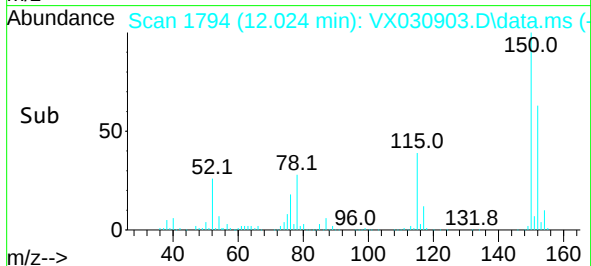
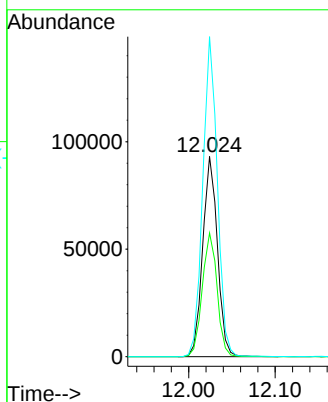
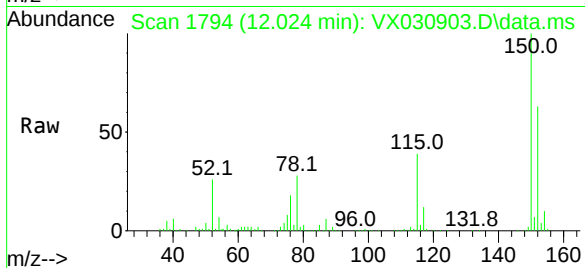




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030903.D
 Acq: 28 Aug 2022 05:11

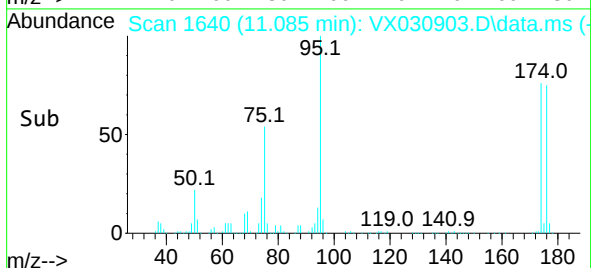
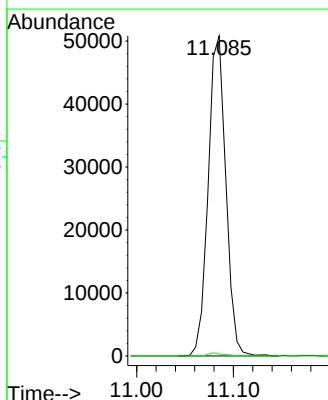
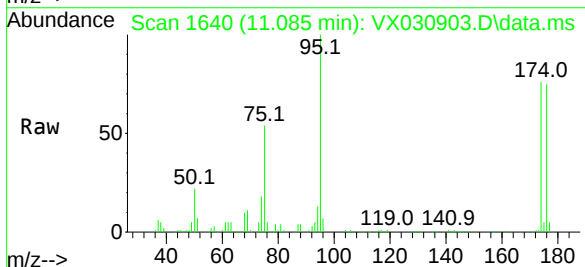
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20220824

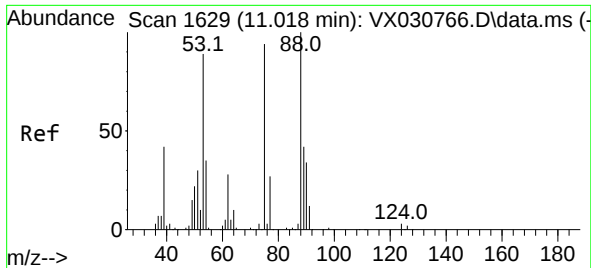
Tgt Ion:152 Resp: 110039
 Ion Ratio Lower Upper
 152 100
 115 62.1 40.5 121.5
 150 157.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 26.765 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030903.D
 Acq: 28 Aug 2022 05:11

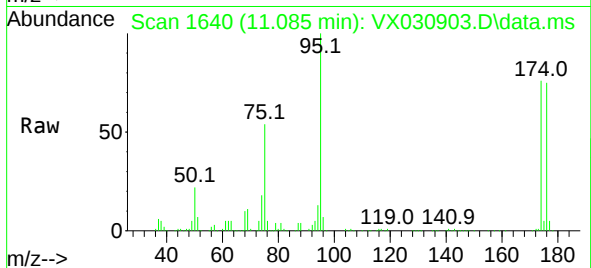
Tgt Ion: 75 Resp: 64525
 Ion Ratio Lower Upper
 75 100
 77 0.8 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.355 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030903.D
 Acq: 28 Aug 2022 05:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20220824



Tgt Ion: 75 Resp: 64525
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

