

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030898.D
 Acq On : 28 Aug 2022 03:14
 Operator : JC/MD
 Sample : N4360-3
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT172S1-20220823

Quant Time: Aug 29 01:15:36 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)

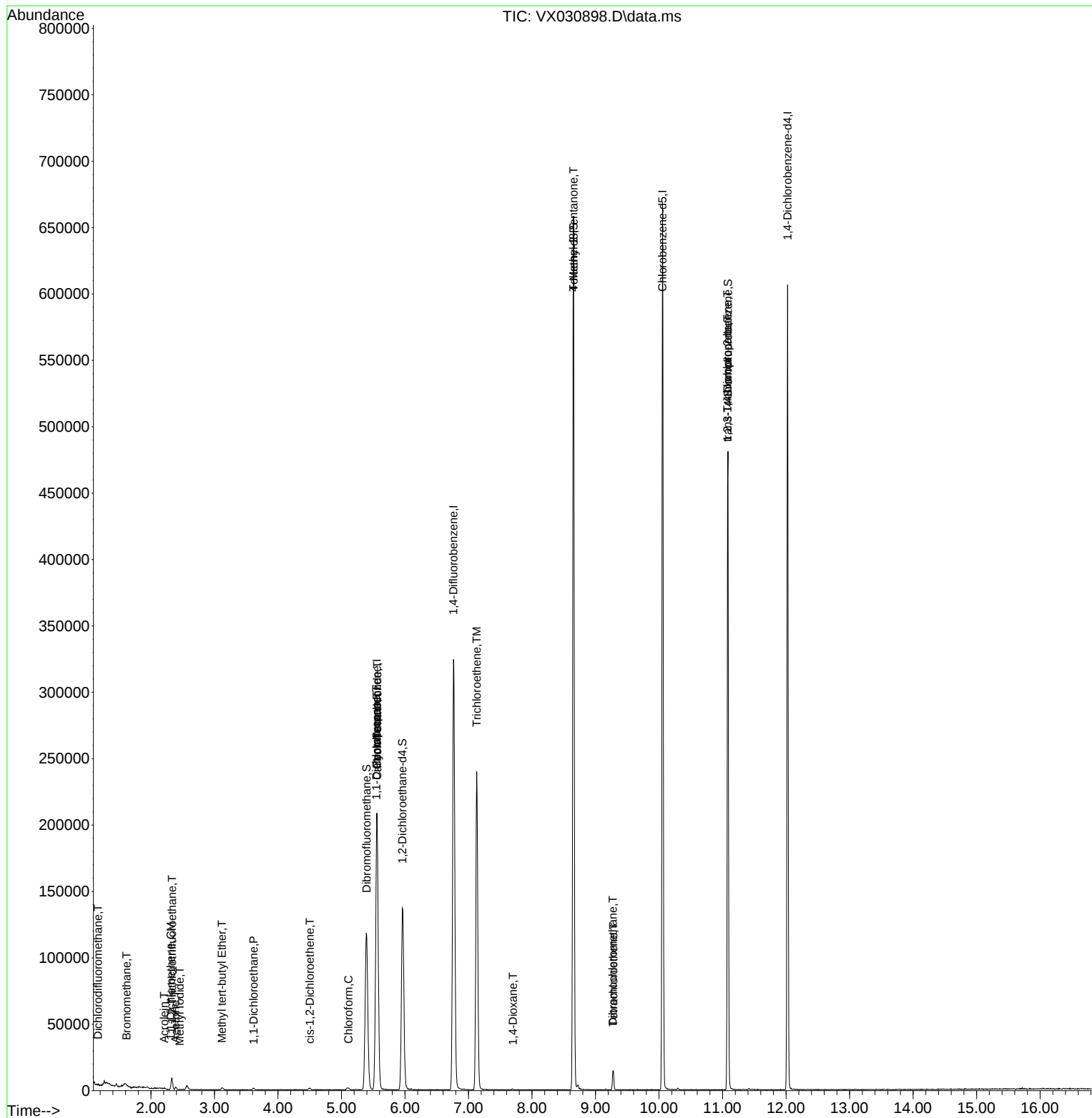
Internal Standards						
1) Pentafluorobenzene	5.556	168	181278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	320887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136390	63.963	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 127.920%#			
35) Dibromofluoromethane	5.397	113	104651	53.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	8.653	98	383726	55.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.680%			
62) 4-Bromofluorobenzene	11.085	95	125752	49.151	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	366	0.218	ug/l	81
3) Chloromethane	1.288	50	304	Below Cal	#	87
4) Vinyl Chloride	1.544	62	40	Below Cal	#	1
5) Bromomethane	1.618	94	247	0.292	ug/l	86
6) Chloroethane	1.697	64	23	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	2961	1.677	ug/l	# 91
10) Methyl Iodide	2.453	142	256	4.189	ug/l	# 69
12) 1,1-Dichloroethene	2.313	96	527	0.321	ug/l	# 60
13) Acrolein	2.209	56	26	10.113	ug/l	# 14
16) Acetone	2.386	43	1848	1.875	ug/l	92
17) Carbon Disulfide	2.514	76	274	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	1829	0.321	ug/l	# 89
20) Methylene Chloride	2.794	84	46	Below Cal	#	64
24) 1,1-Dichloroethane	3.617	63	1720	0.497	ug/l	# 82
27) cis-1,2-Dichloroethene	4.501	96	850	0.390	ug/l	85
30) Chloroform	5.111	83	1701	0.467	ug/l	# 83
31) Cyclohexane	5.556	56	4727	1.734	ug/l	# 24
36) 1,1-Dichloropropene	5.550	75	16080	5.988	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	19904	7.027	ug/l	# 17
44) Trichloroethene	7.129	130	88409	38.087	ug/l	99
49) 1,4-Dioxane	7.702	88	233	3.952	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.653	43	1896	0.587	ug/l	# 1
60) Dibromochloromethane	9.275	129	2805	1.207	ug/l	# 11
64) Tetrachloroethene	9.281	164	2687	1.195	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	66848	26.092	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	66848	84.184	ug/l	# 13

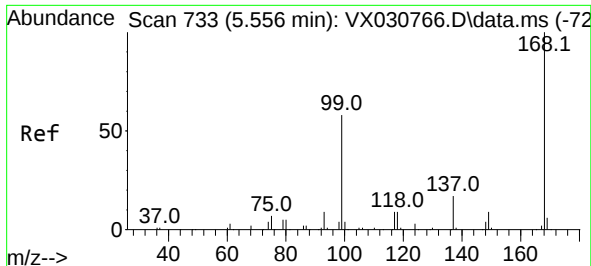
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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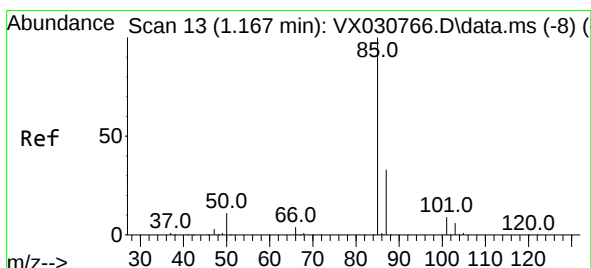
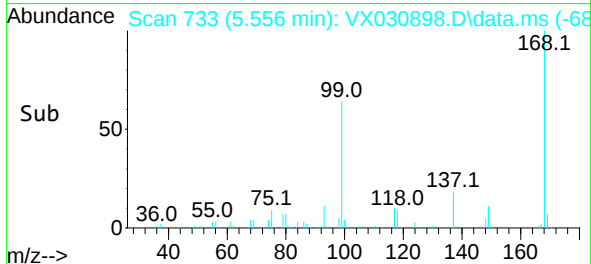
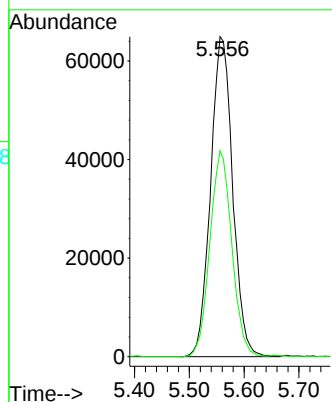
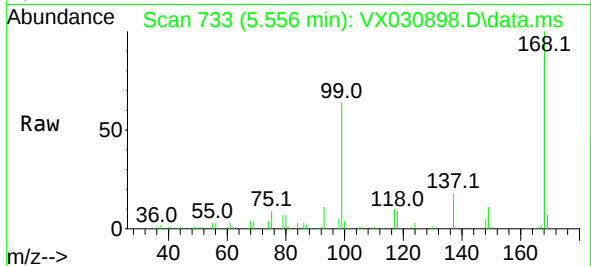




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

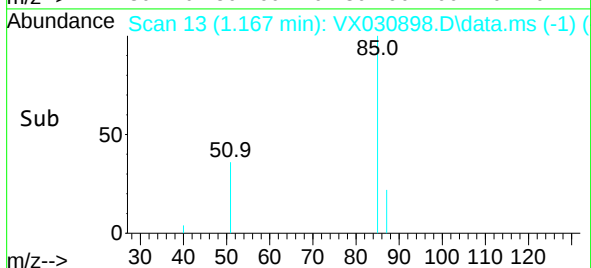
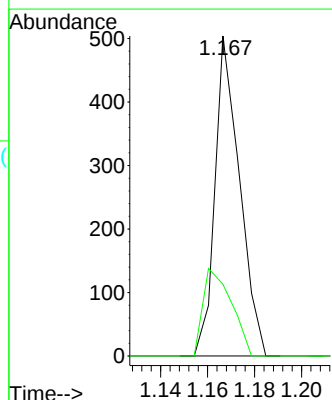
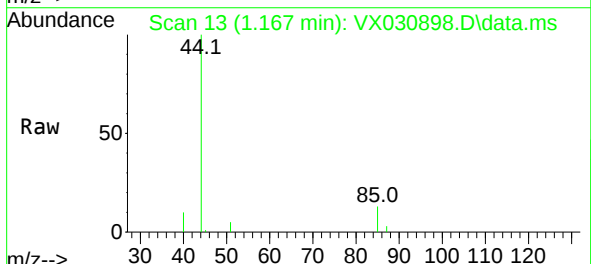
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

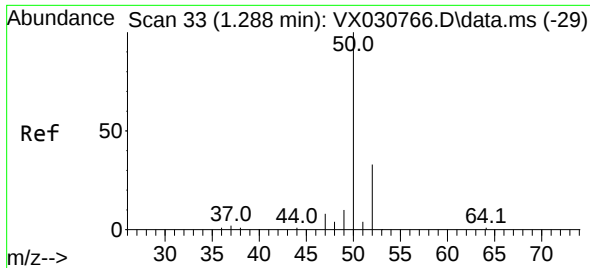
Tgt Ion:168 Resp: 181278
Ion Ratio Lower Upper
168 100
99 64.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.218 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 85 Resp: 366
Ion Ratio Lower Upper
85 100
87 22.4 16.5 49.5

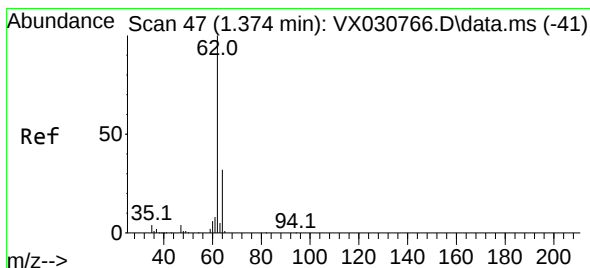
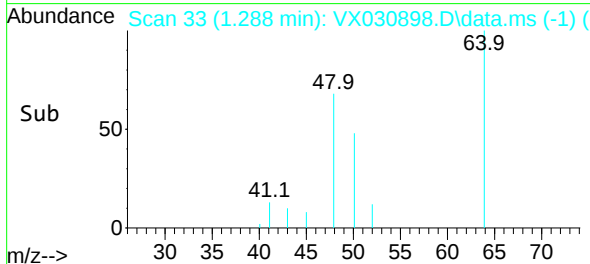
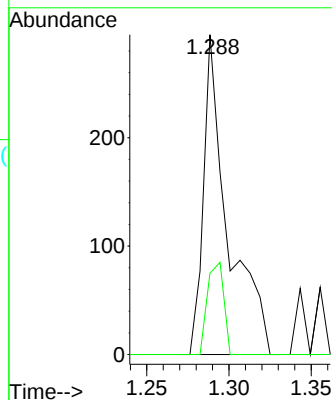
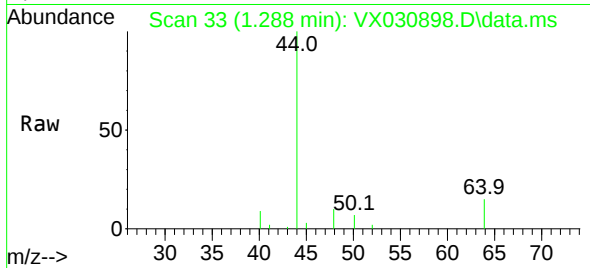




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

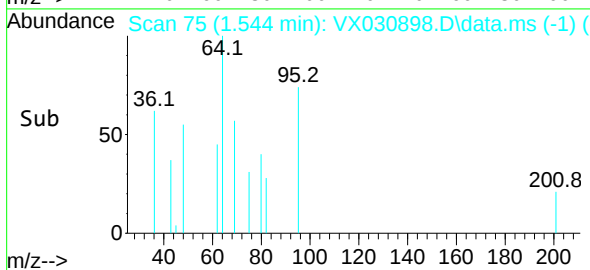
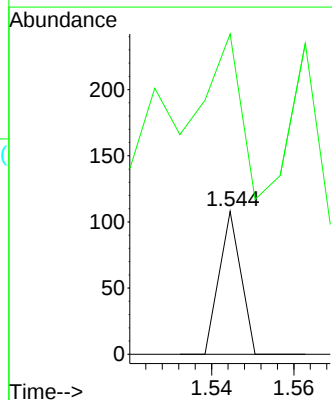
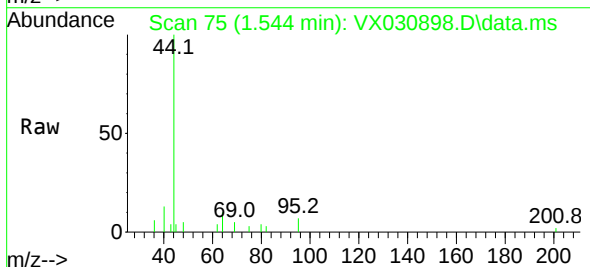
Instrument :
MSVOA_X
ClientSampleId :
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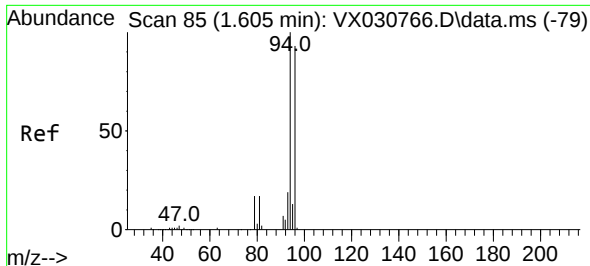
Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 25.4 26.3 39.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 1.544 min Scan# 75
Delta R.T. 0.170 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 62 Resp: 40
Ion Ratio Lower Upper
62 100
64 99.1 25.2 37.8#

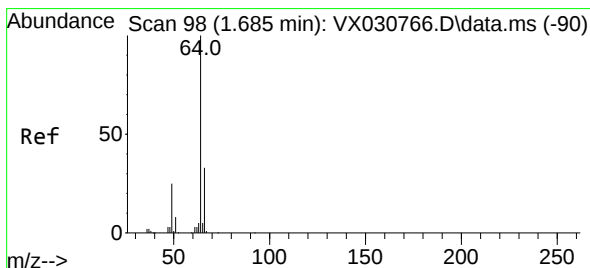
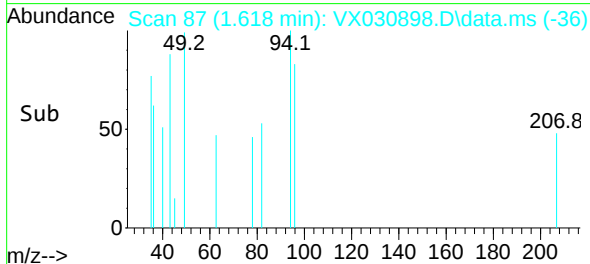
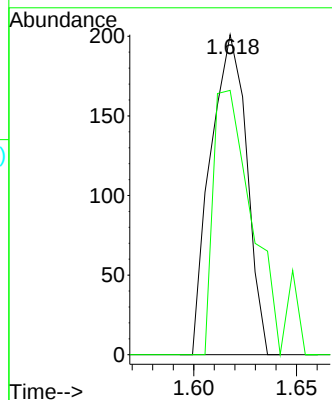
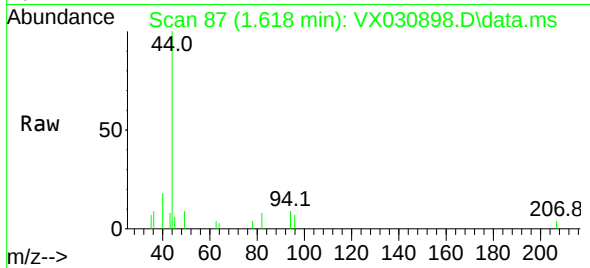




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

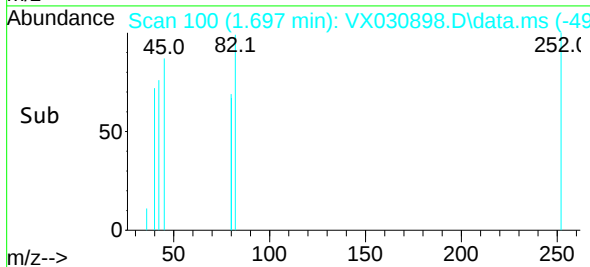
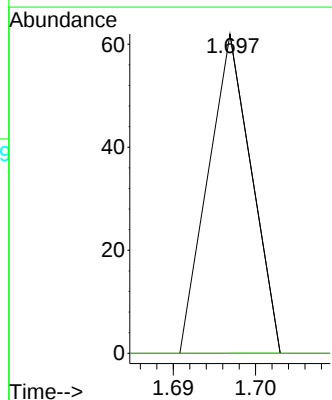
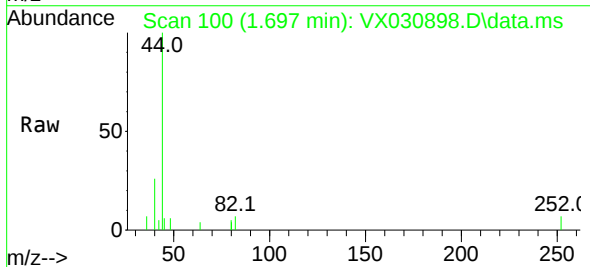
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

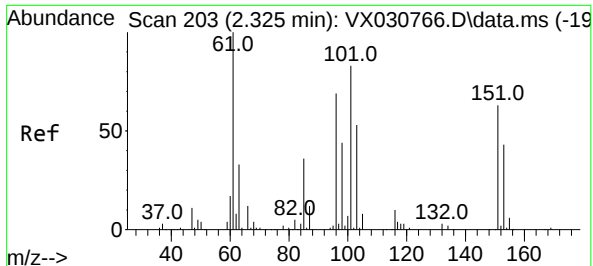
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 82.6 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

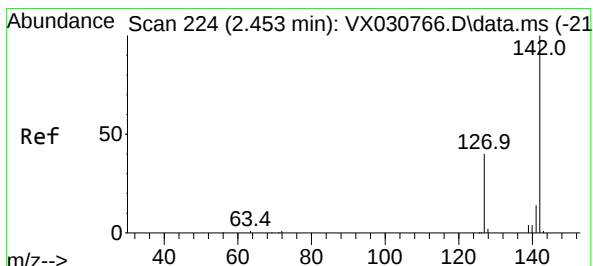
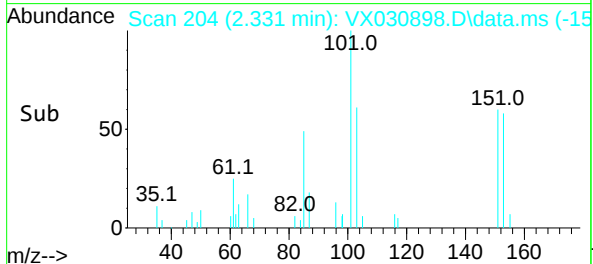
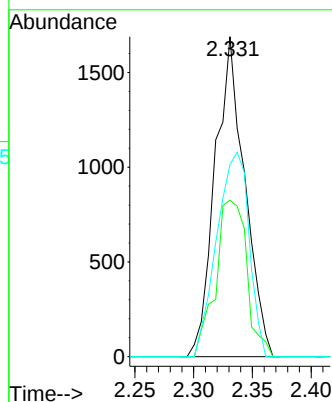
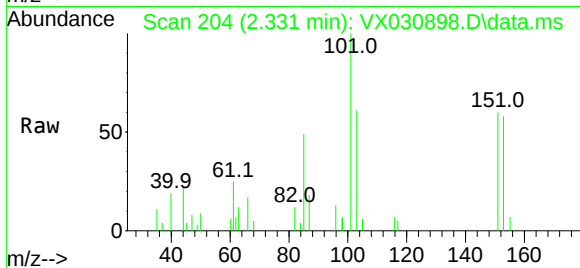




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.677 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

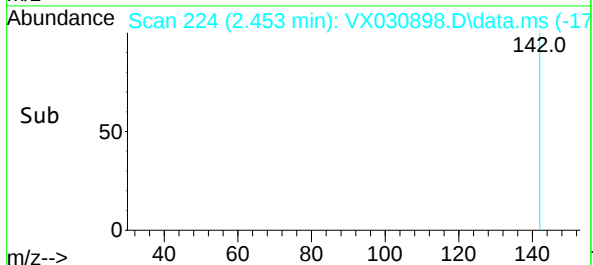
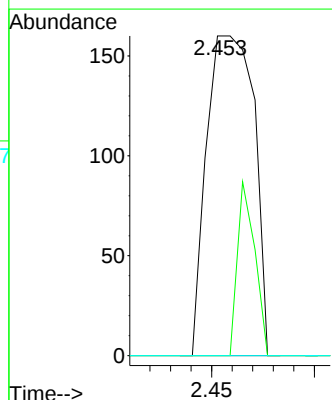
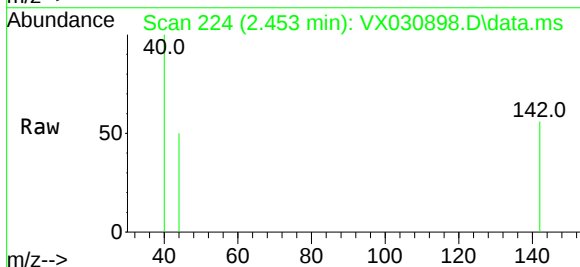
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

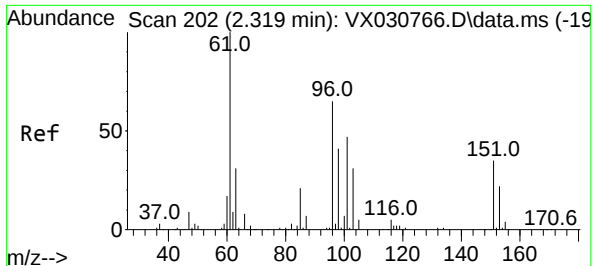
Tgt Ion:101 Resp: 2961
Ion Ratio Lower Upper
101 100
85 51.4 34.0 51.0#
151 69.4 59.4 89.0



#10
Methyl Iodide
Concen: 4.189 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 19.9 30.2 45.2#
141 0.0 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 0.321 ug/l

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX030898.D

Acq: 28 Aug 2022 03:14

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20220823

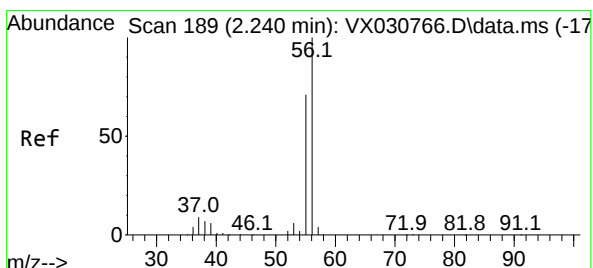
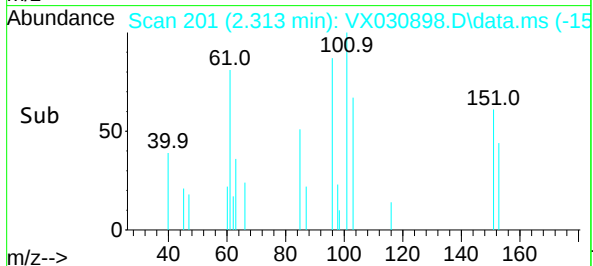
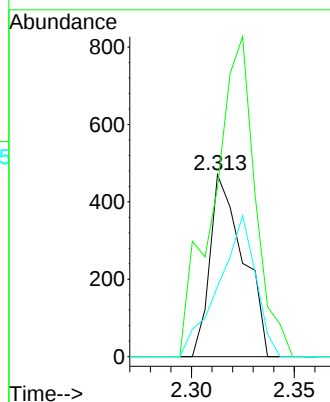
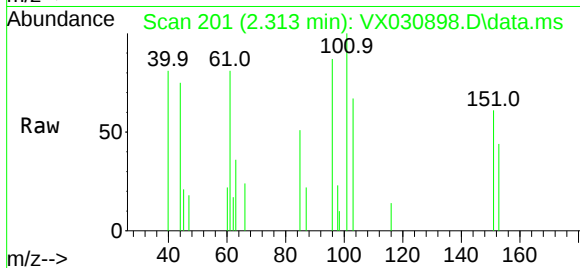
Tgt Ion: 96 Resp: 527

Ion Ratio Lower Upper

96 100

61 93.0 117.4 176.0#

98 38.5 52.2 78.4#



#13

Acrolein

Concen: 10.113 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.031 min

Lab File: VX030898.D

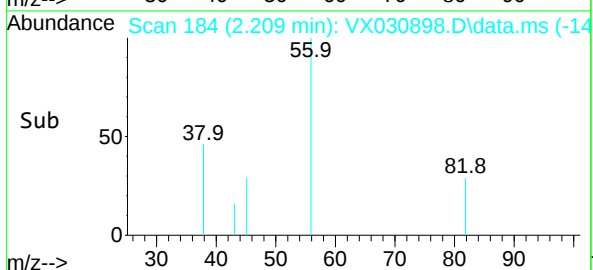
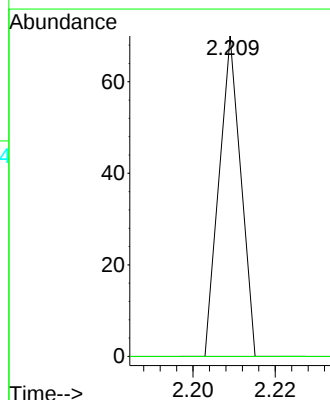
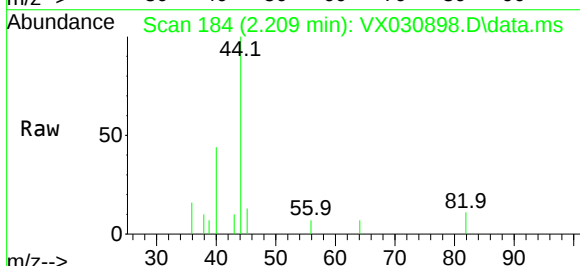
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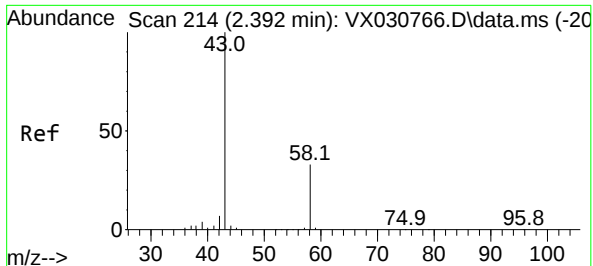
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

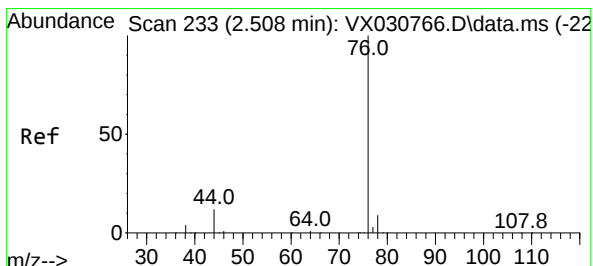
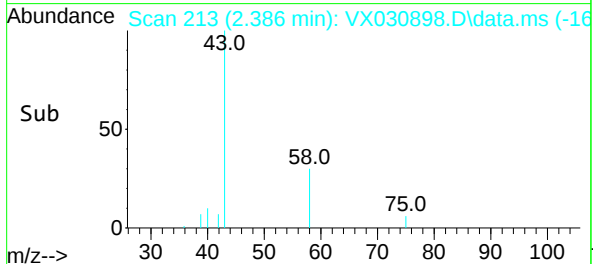
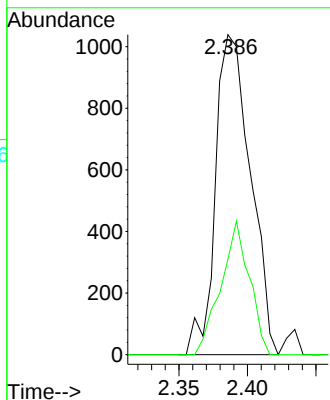
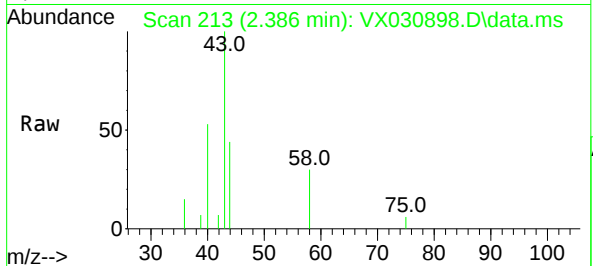




#16
Acetone
Concen: 1.875 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

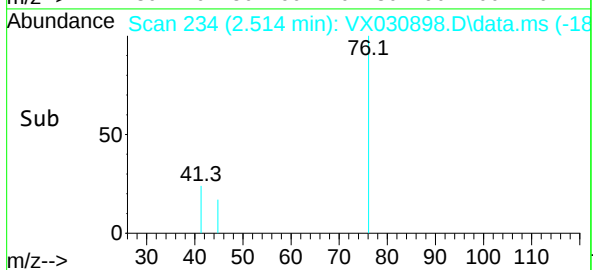
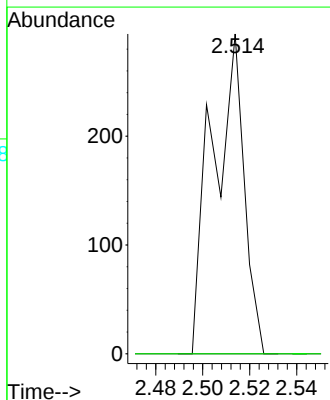
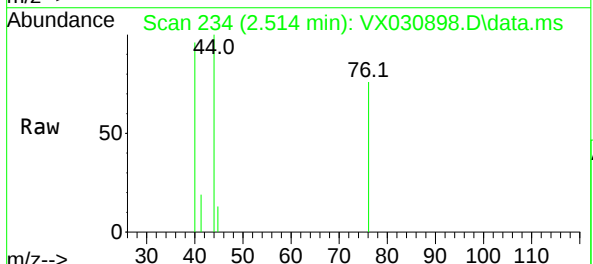
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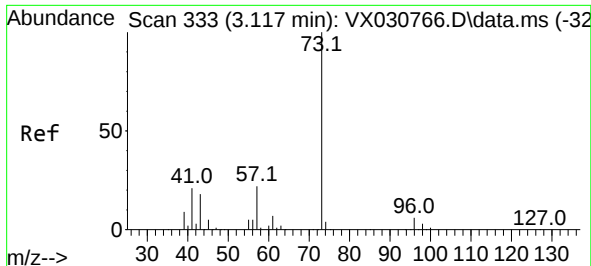
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
58 29.9 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 76 Resp: 274
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

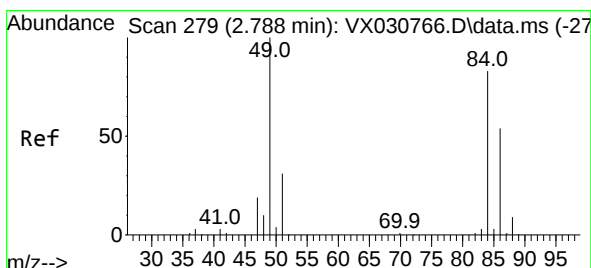
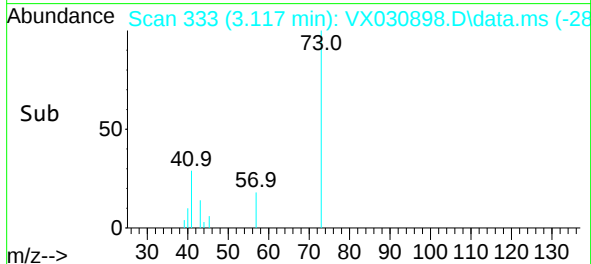
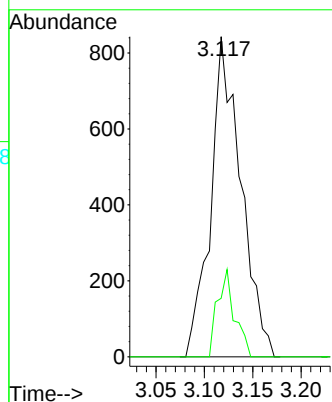
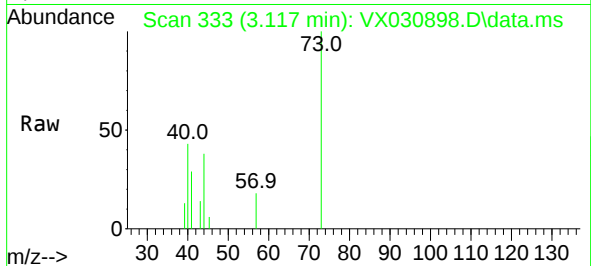




#19
Methyl tert-butyl Ether
Concen: 0.321 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

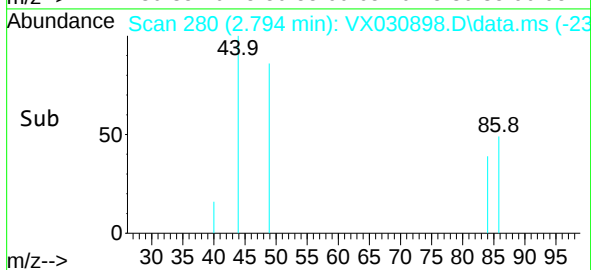
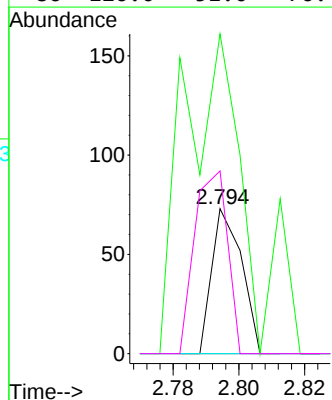
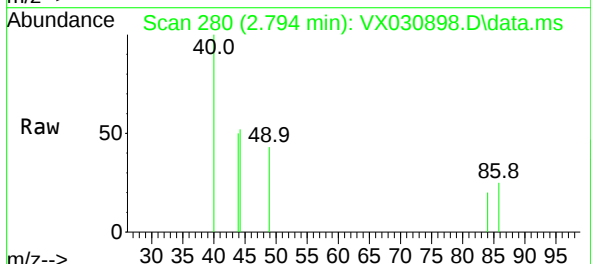
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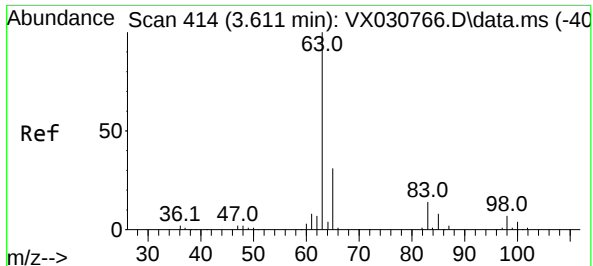
Tgt Ion: 73 Resp: 1829
Ion Ratio Lower Upper
73 100
57 18.3 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 84 Resp: 46
Ion Ratio Lower Upper
84 100
49 113.7 93.8 140.6
51 0.0 29.4 44.0#
86 126.0 51.0 76.4#

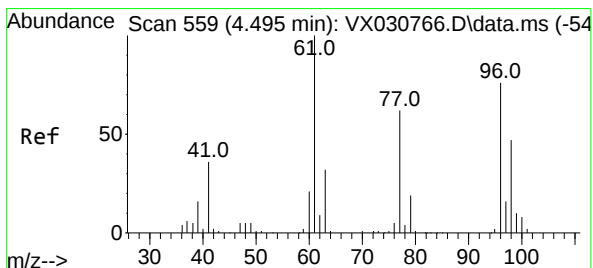
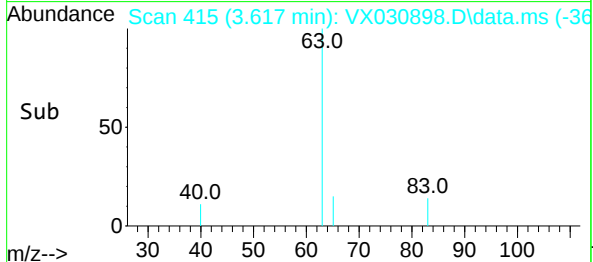
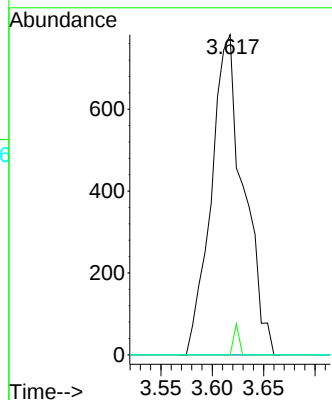
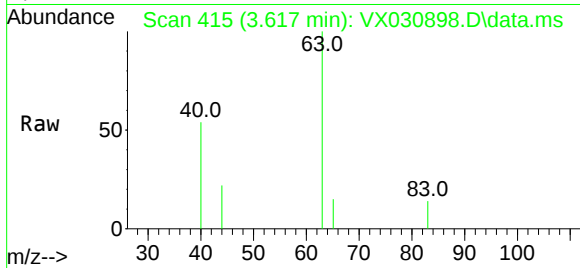




#24
1,1-Dichloroethane
Concen: 0.497 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

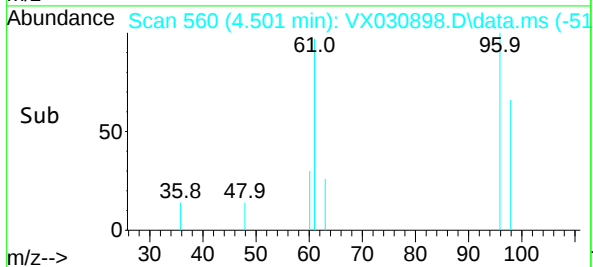
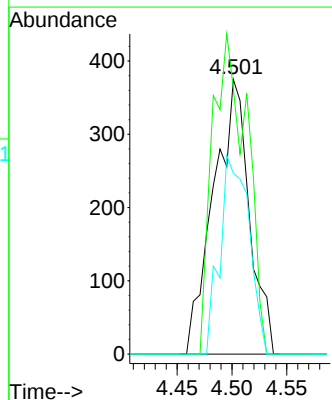
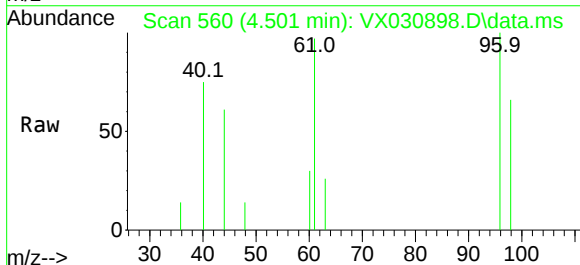
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

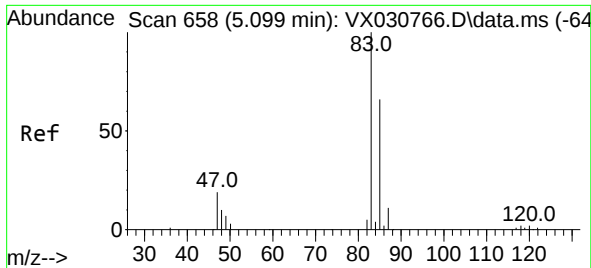
Tgt Ion: 63 Resp: 1720
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 0.390 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 96 Resp: 850
Ion Ratio Lower Upper
96 100
61 111.8 0.0 270.0
98 58.7 0.0 127.8

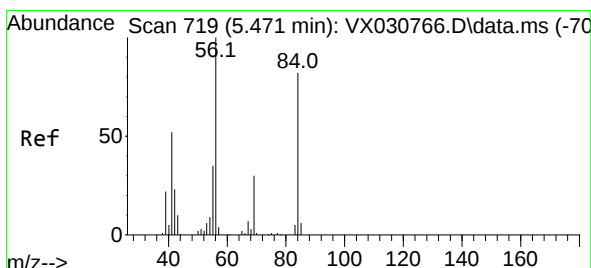
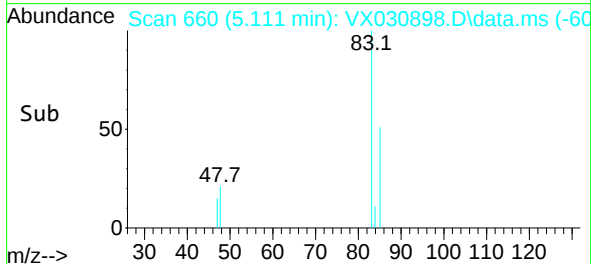
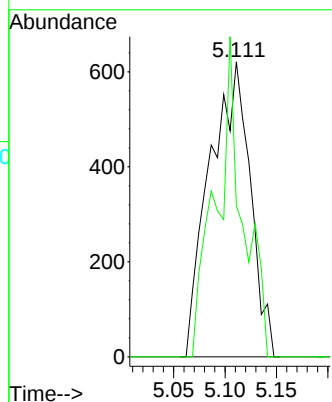
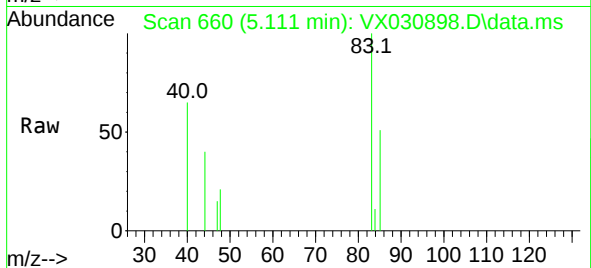




#30
Chloroform
Concen: 0.467 ug/l
RT: 5.111 min Scan# 60
Delta R.T. 0.012 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

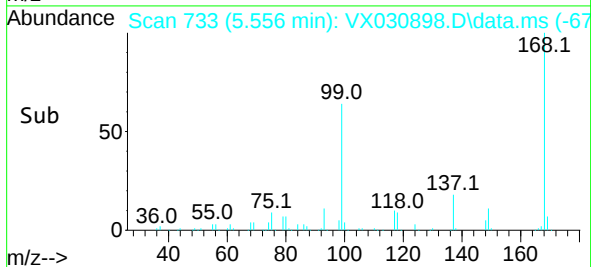
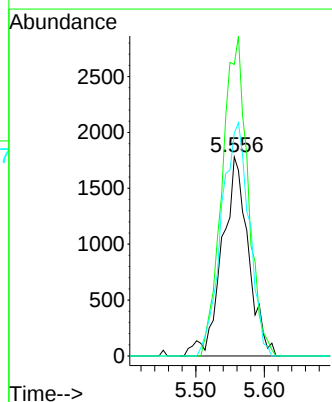
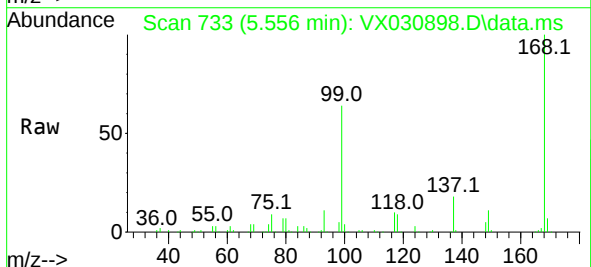
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

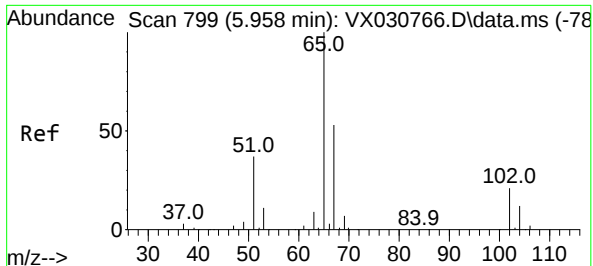
Tgt Ion: 83 Resp: 1701
Ion Ratio Lower Upper
83 100
85 51.2 51.5 77.3#



#31
Cyclohexane
Concen: 1.734 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 56 Resp: 4727
Ion Ratio Lower Upper
56 100
69 146.4 25.4 38.0#
84 111.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 63.963 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030898.D

Acq: 28 Aug 2022 03:14

Instrument :

MSVOA_X

ClientSampleId :

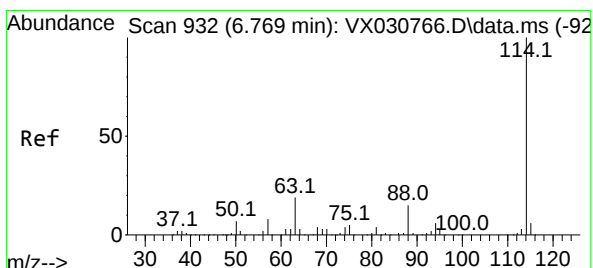
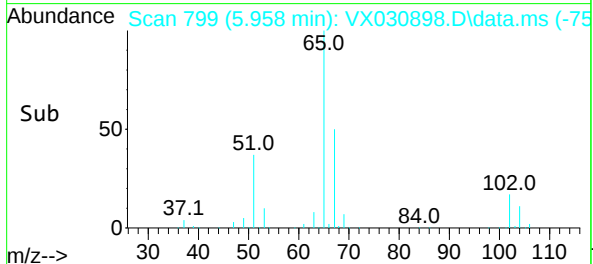
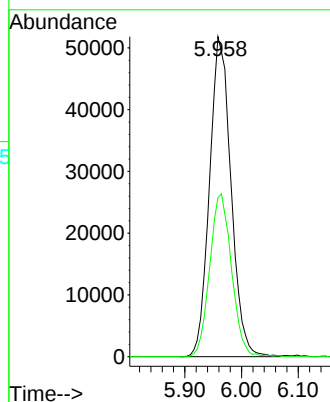
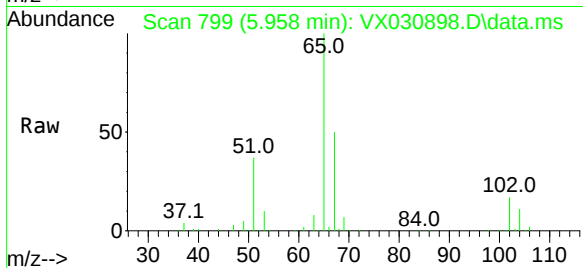
TT172S1-20220823

Tgt Ion: 65 Resp: 136390

Ion Ratio Lower Upper

65 100

67 51.7 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: VX030898.D

Acq: 28 Aug 2022 03:14

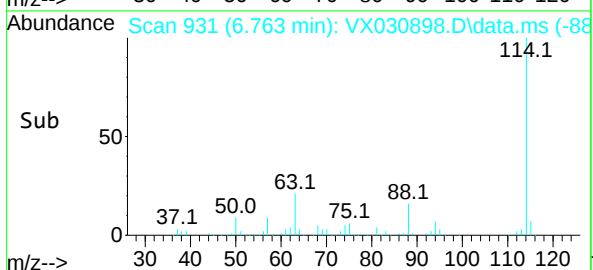
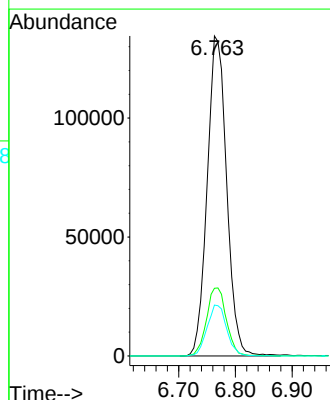
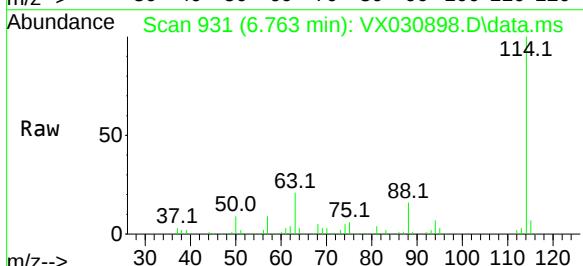
Tgt Ion: 114 Resp: 320887

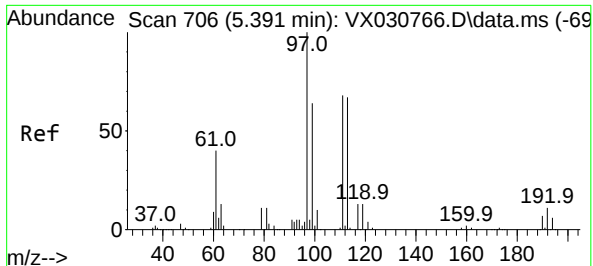
Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.065 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030898.D

Acq: 28 Aug 2022 03:14

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20220823

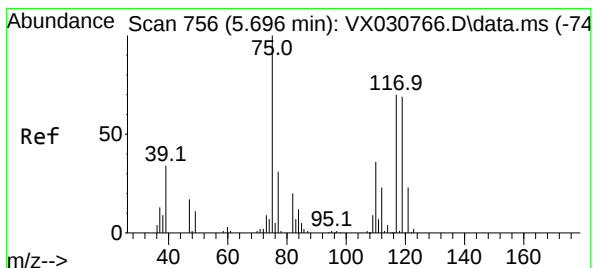
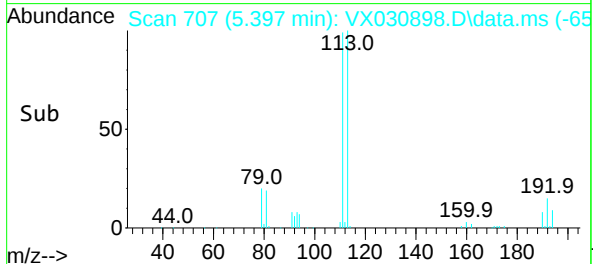
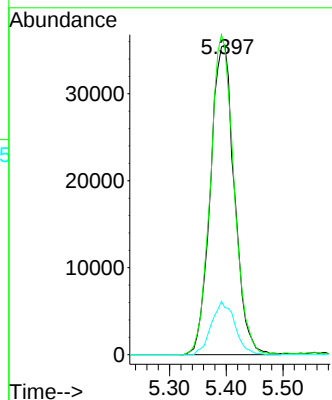
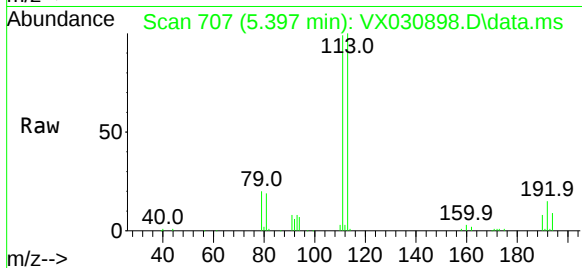
Tgt Ion:113 Resp: 104651

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

192 16.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.988 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030898.D

Acq: 28 Aug 2022 03:14

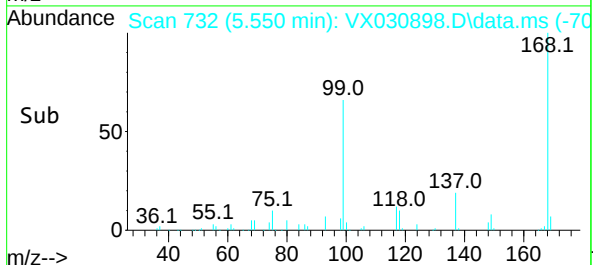
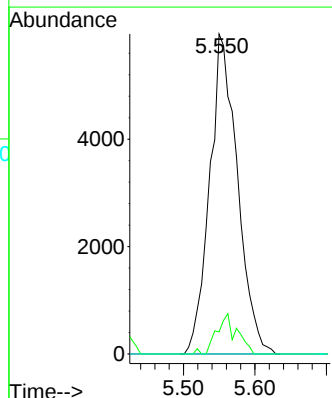
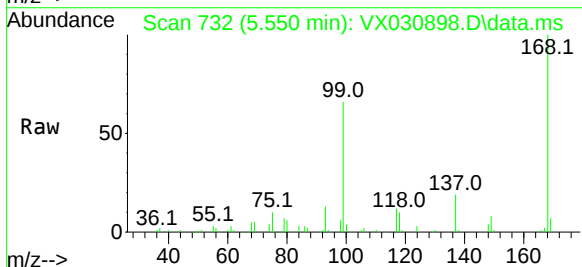
Tgt Ion: 75 Resp: 16080

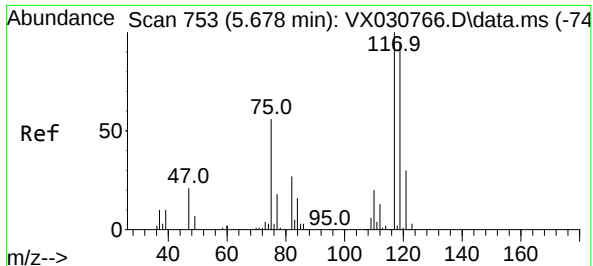
Ion Ratio Lower Upper

75 100

110 8.9 19.3 57.9#

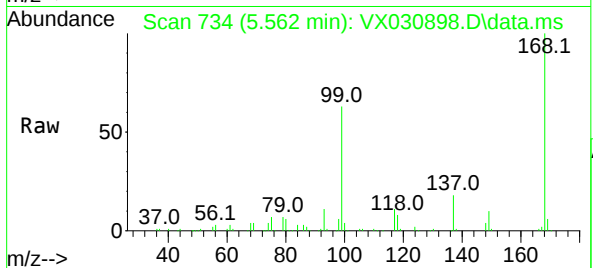
77 0.0 24.4 36.6#



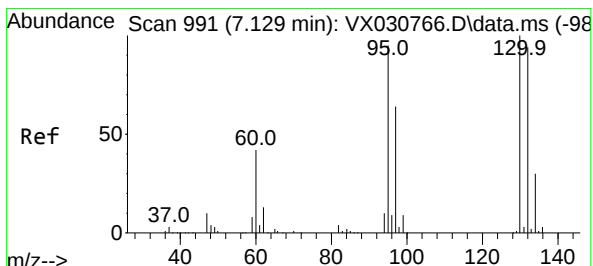
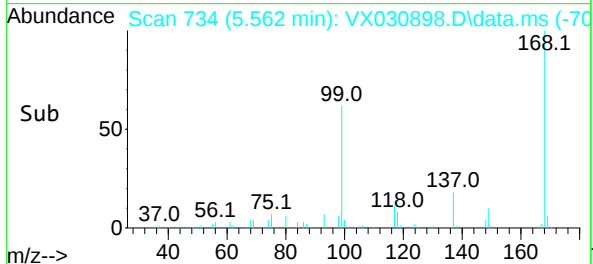
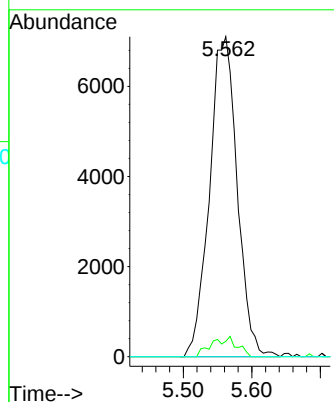


#38
Carbon Tetrachloride
Concen: 7.027 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.116 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

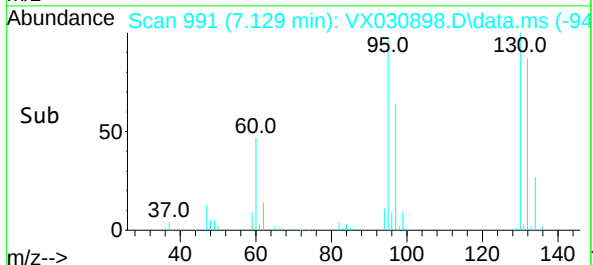
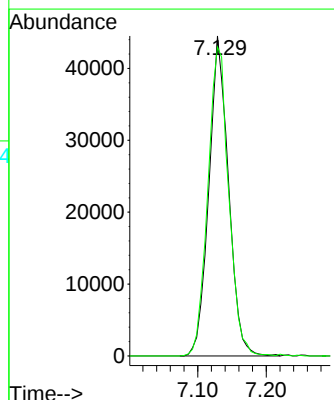
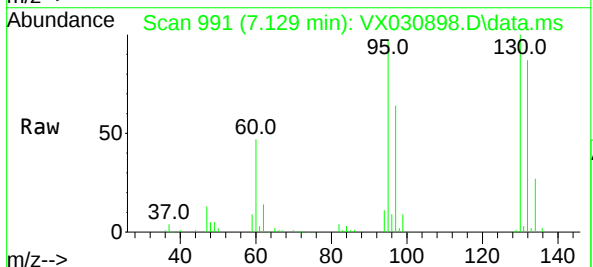


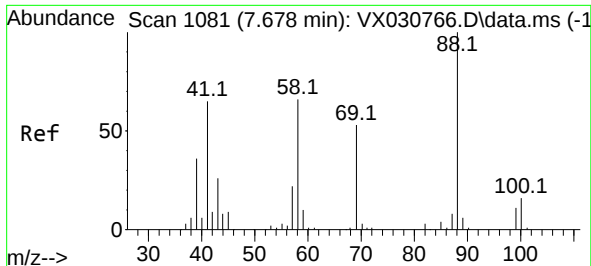
Tgt Ion:117 Resp: 19904
Ion Ratio Lower Upper
117 100
119 4.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 38.087 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion:130 Resp: 88409
Ion Ratio Lower Upper
130 100
95 96.5 0.0 194.8





#49

1,4-Dioxane

Concen: 3.952 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.024 min

Lab File: VX030898.D

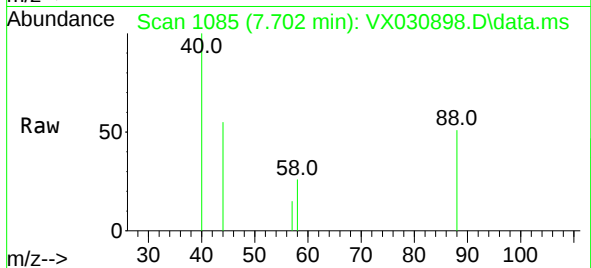
Acq: 28 Aug 2022 03:14

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20220823



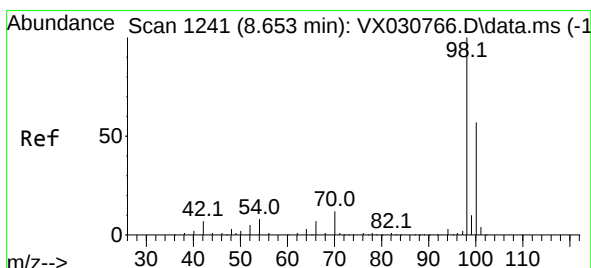
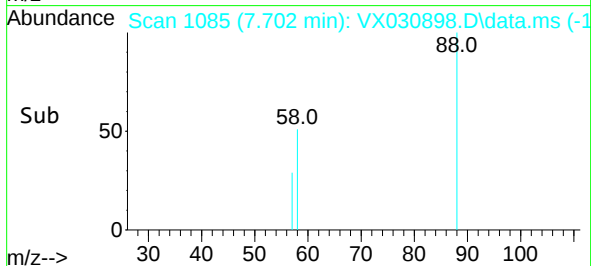
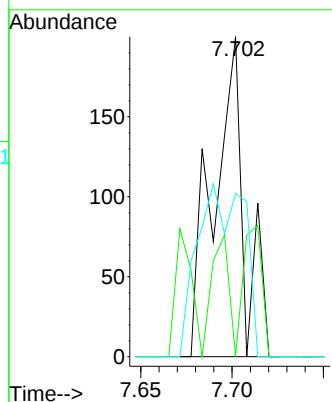
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 21.5 23.8 35.8#

58 82.4 53.8 80.6#



#50

Toluene-d8

Concen: 55.838 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030898.D

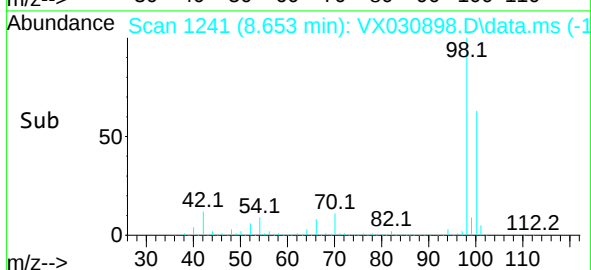
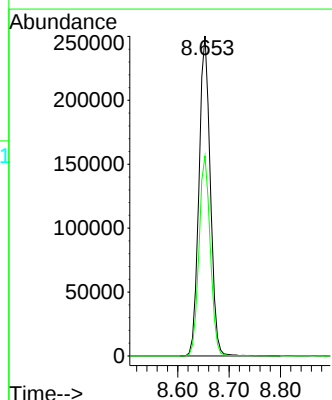
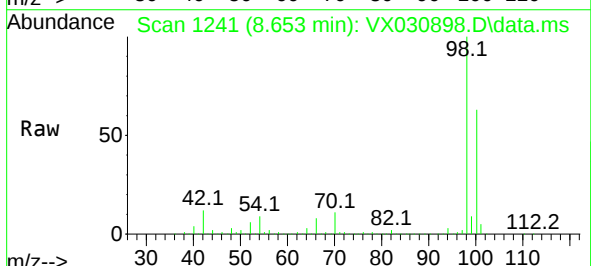
Acq: 28 Aug 2022 03:14

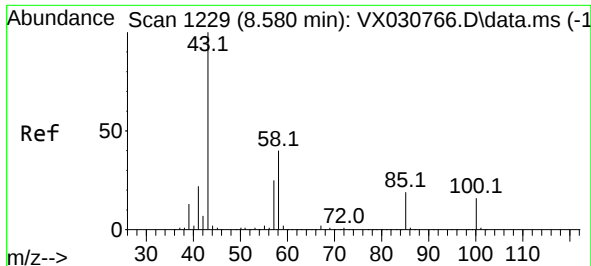
Tgt Ion: 98 Resp: 383726

Ion Ratio Lower Upper

98 100

100 62.2 52.3 78.5

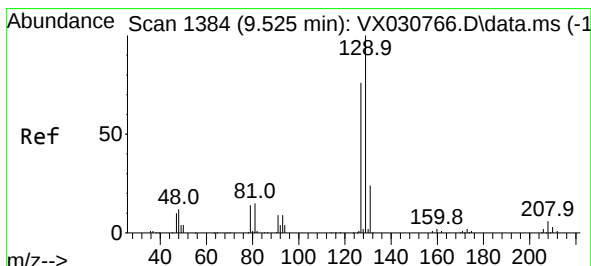
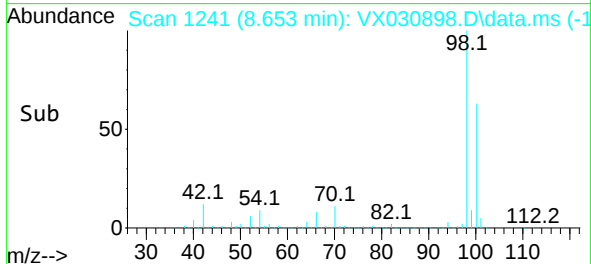
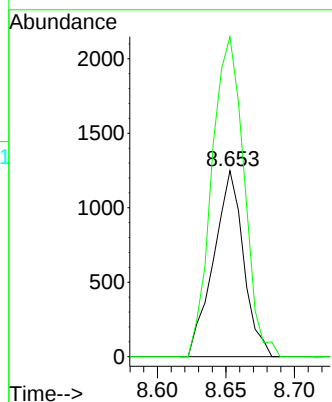
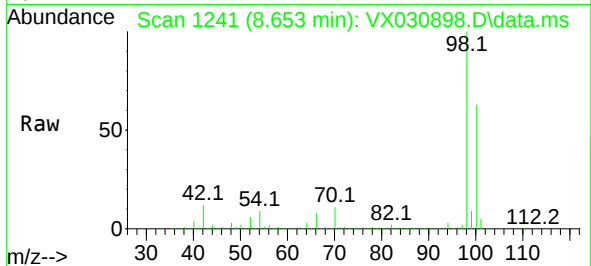




#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

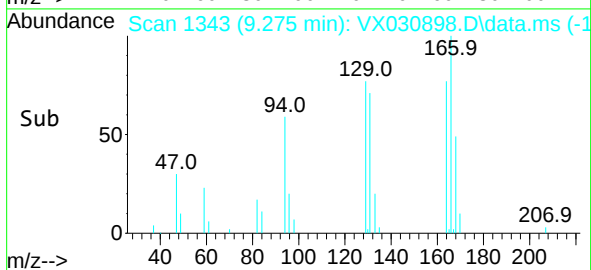
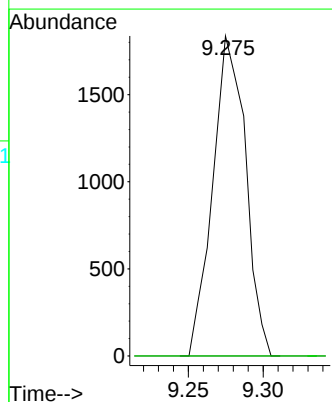
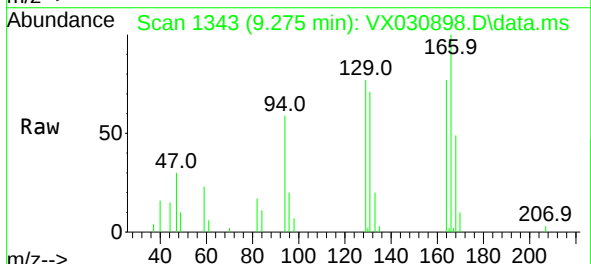
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

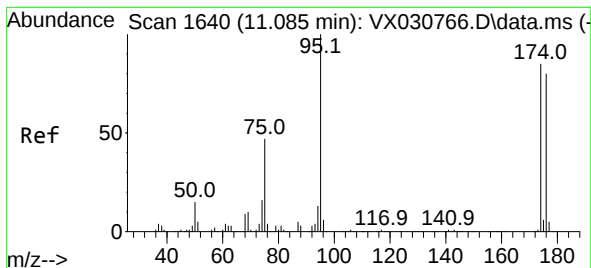
Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
58 185.0 31.4 47.2#



#60
Dibromochloromethane
Concen: 1.207 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 129 Resp: 2805
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

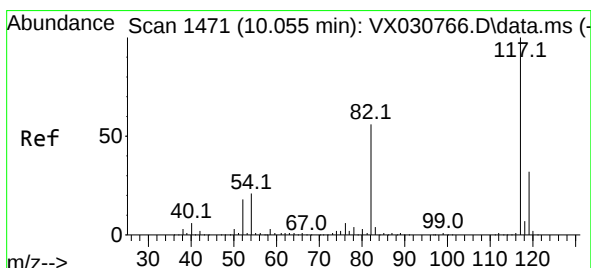
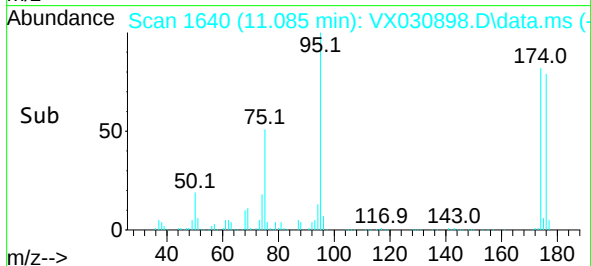
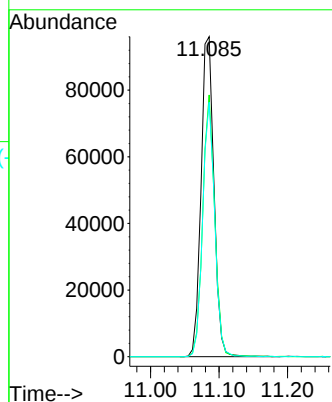
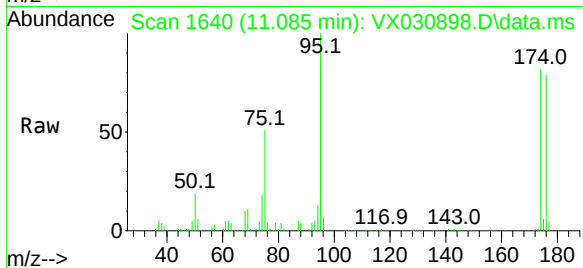




#62
4-Bromofluorobenzene
Concen: 49.151 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

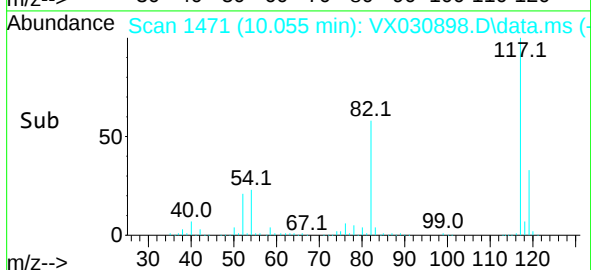
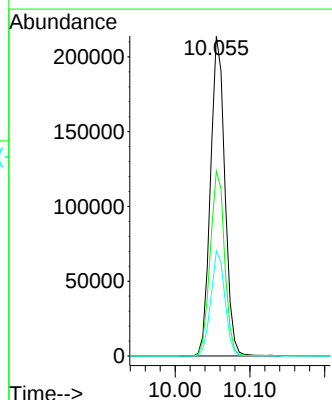
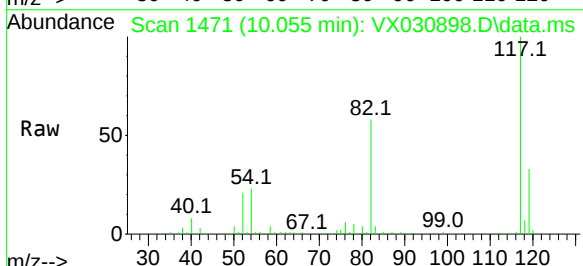
Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

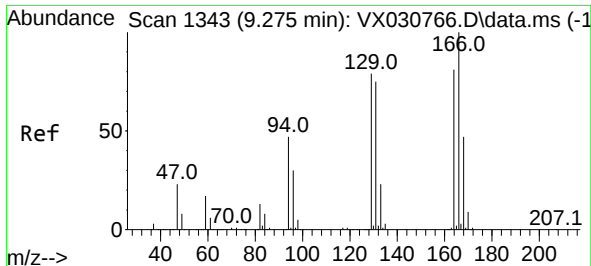
Tgt Ion: 95 Resp: 125752
Ion Ratio Lower Upper
95 100
174 76.2 0.0 149.0
176 74.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 117 Resp: 285384
Ion Ratio Lower Upper
117 100
82 57.8 42.7 64.1
119 32.8 25.4 38.2





#64

Tetrachloroethene

Concen: 1.195 ug/l

RT: 9.281 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030898.D

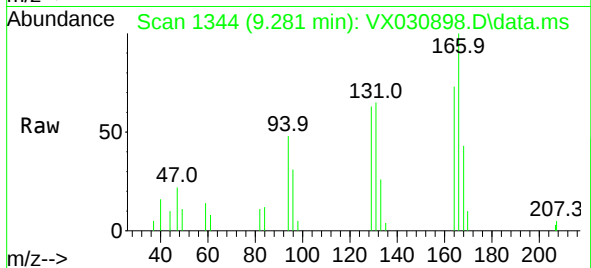
Acq: 28 Aug 2022 03:14

Instrument :

MSVOA_X

ClientSampleId :

TT172S1-20220823



Tgt Ion:164 Resp: 2687

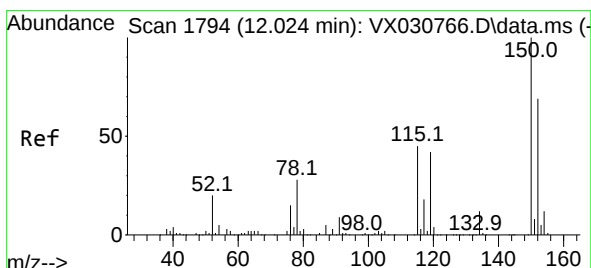
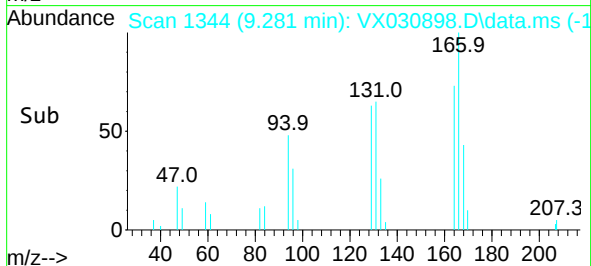
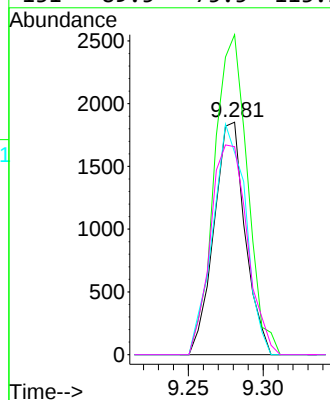
Ion Ratio Lower Upper

164 100

166 137.6 98.2 147.4

129 86.9 80.8 121.2

131 89.5 75.5 113.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030898.D

Acq: 28 Aug 2022 03:14

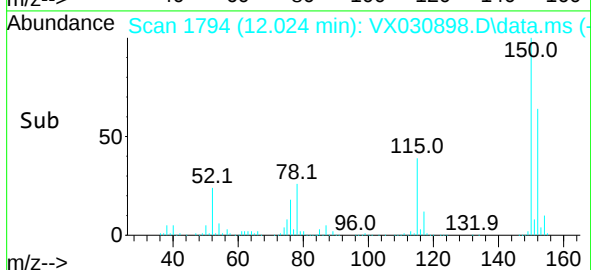
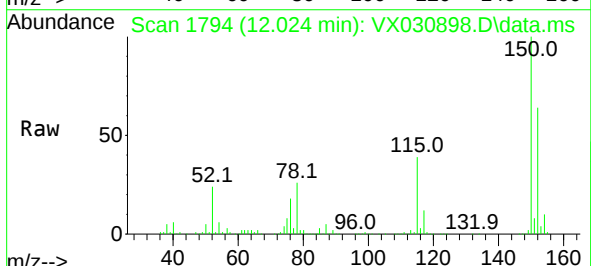
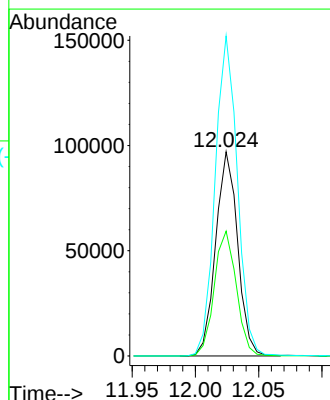
Tgt Ion:152 Resp: 116941

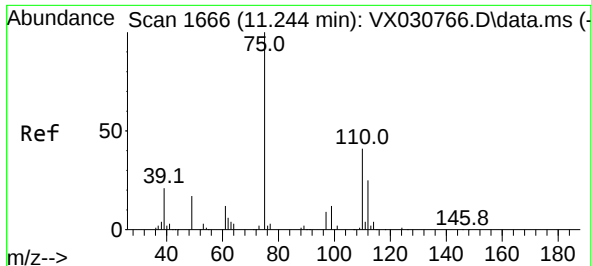
Ion Ratio Lower Upper

152 100

115 61.8 40.5 121.5

150 158.8 0.0 347.0

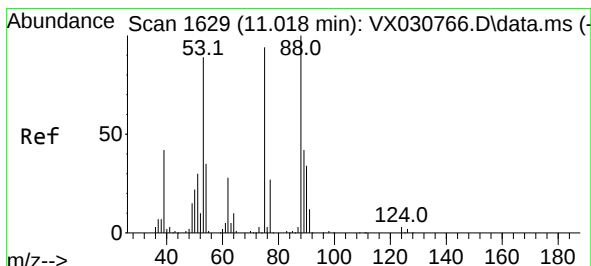
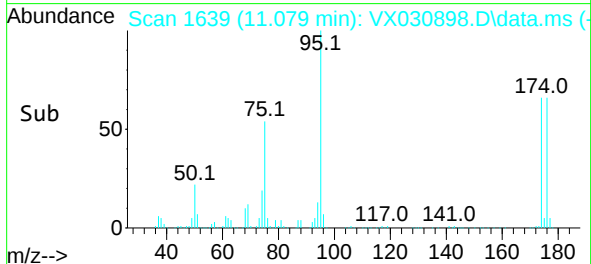
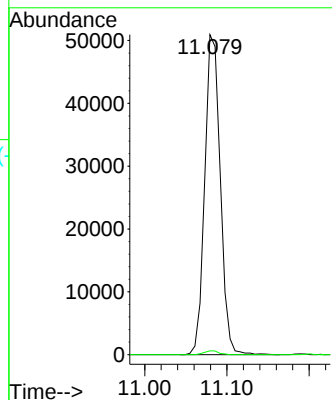
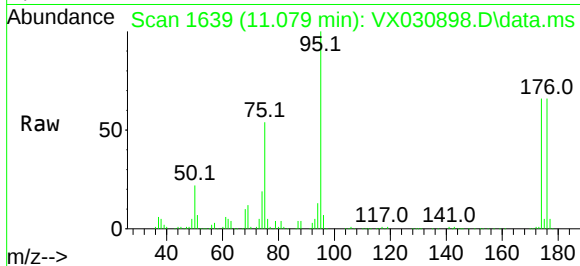




#76
1,2,3-Trichloropropane
Concen: 26.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Instrument :
MSVOA_X
ClientSampleId :
TT172S1-20220823

Tgt Ion: 75 Resp: 66848
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030898.D
Acq: 28 Aug 2022 03:14

Tgt Ion: 75 Resp: 66848
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.8 52.2#

