

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030066.D
 Acq On : 14 Jul 2022 17:20
 Operator : JC/MD
 Sample : N3705-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

Quant Time: Jul 15 04:18:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

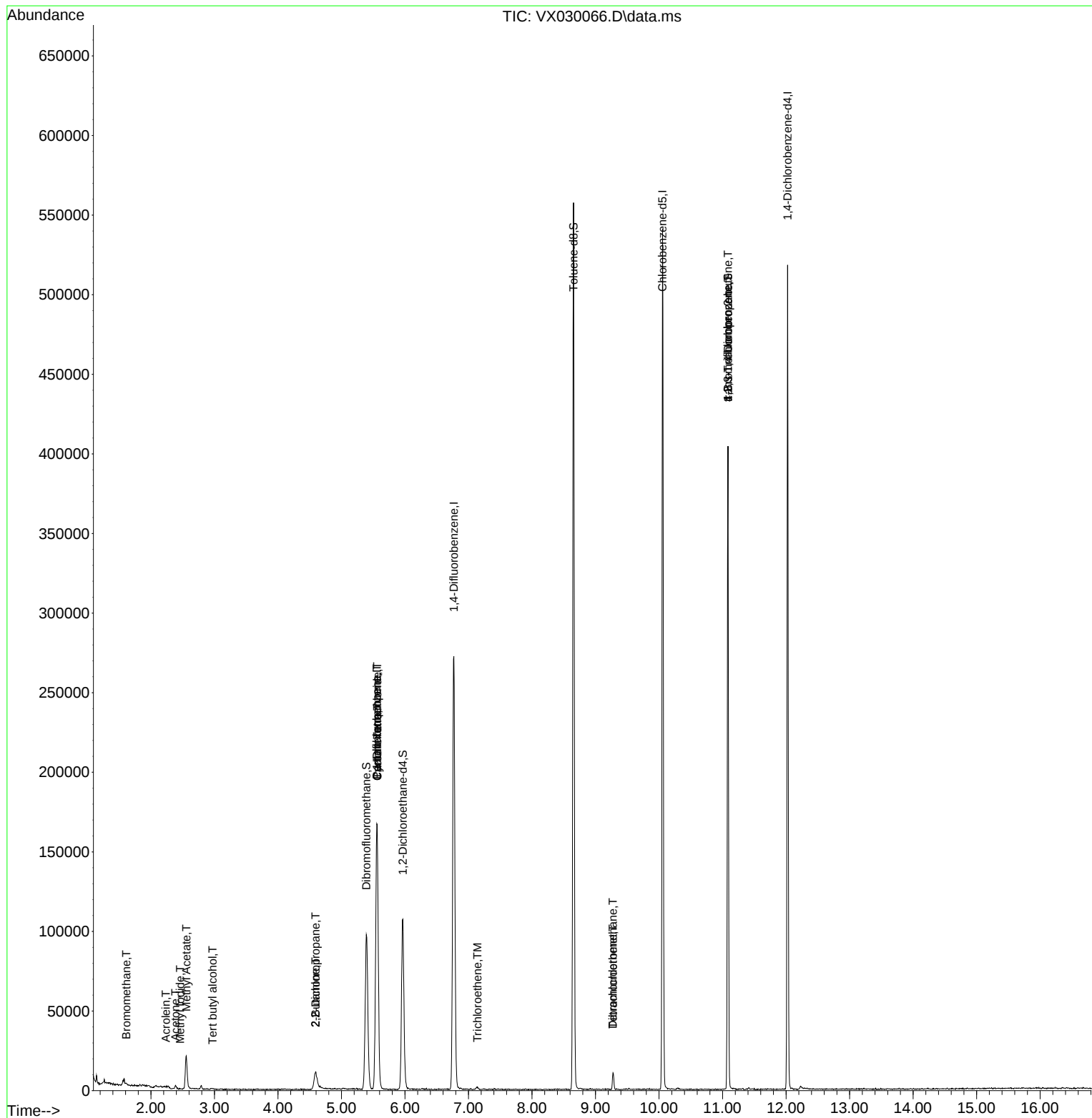
Internal Standards						
1) Pentafluorobenzene	5.555	168	166538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	292964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95664	47.193	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.380%
35) Dibromofluoromethane	5.391	113	87420	46.710	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.420%
50) Toluene-d8	8.652	98	333610	47.395	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.800%
62) 4-Bromofluorobenzene	11.085	95	108852	44.562	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	54	Below Cal	#	42
5) Bromomethane	1.611	94	237	0.289	ug/l	83
10) Methyl Iodide	2.458	142	427	2.651	ug/l #	63
11) Tert butyl alcohol	2.971	59	438	0.837	ug/l #	74
13) Acrolein	2.233	56	44	0.422	ug/l #	1
16) Acetone	2.385	43	2206	2.310	ug/l	94
17) Carbon Disulfide	2.513	76	408	Below Cal	#	74
18) Methyl Acetate	2.556	43	6790	2.337	ug/l #	51
20) Methylene Chloride	2.788	84	832	Below Cal	#	88
25) 2-Butanone	4.592	43	955	0.587	ug/l #	48
26) 2,2-Dichloropropane	4.592	77	636	0.282	ug/l #	49
31) Cyclohexane	5.562	56	3401	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	12280	5.080	ug/l #	48
38) Carbon Tetrachloride	5.562	117	16131	7.155	ug/l #	17
44) Trichloroethene	7.141	130	717	0.322	ug/l	63
60) Dibromochloromethane	9.274	129	2147	1.106	ug/l #	11
64) Tetrachloroethene	9.274	164	2145	1.064	ug/l	89
76) 1,2,3-Trichloropropane	11.085	75	49766	20.843	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49766	60.152	ug/l #	13

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

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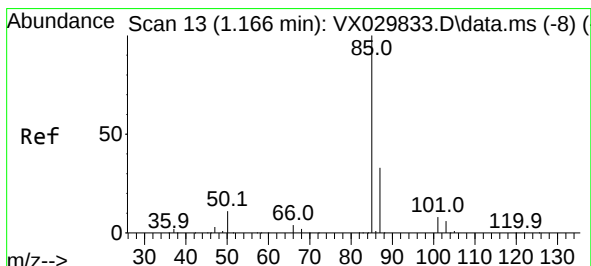
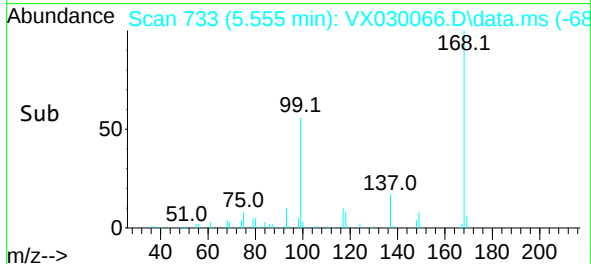
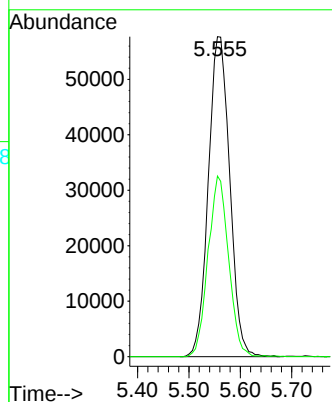
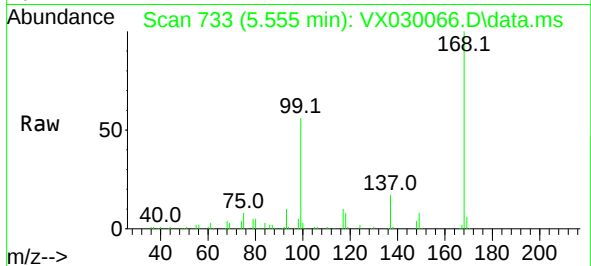




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

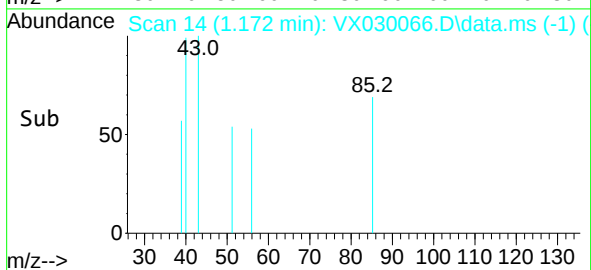
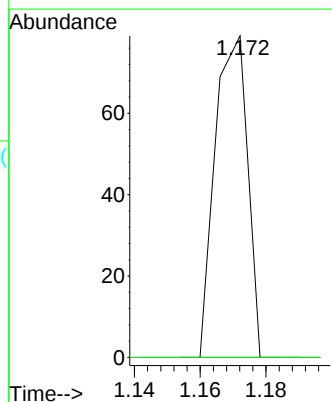
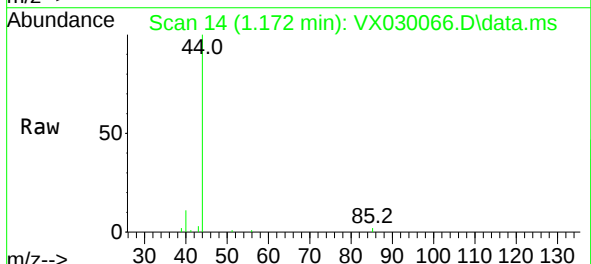
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

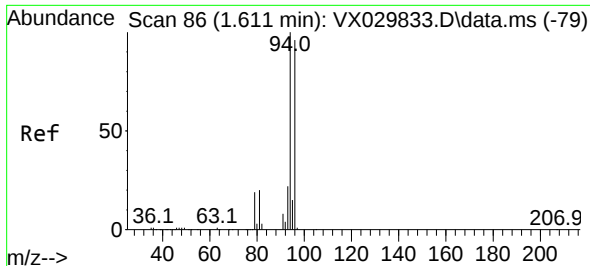
Tgt Ion:168 Resp: 166538
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5

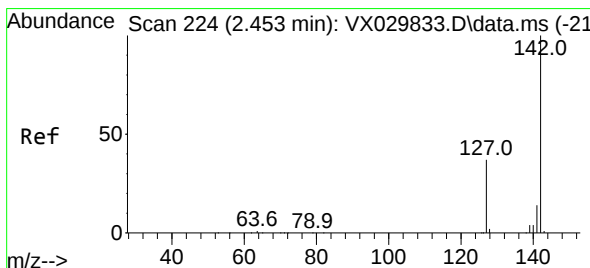
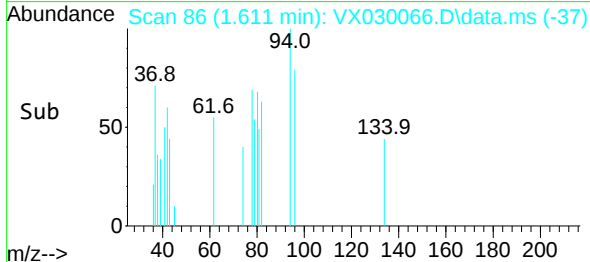
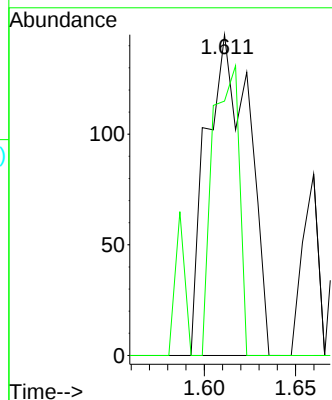
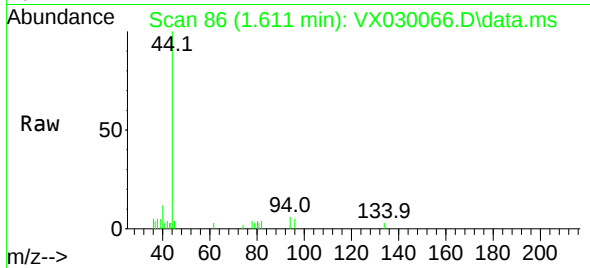




#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

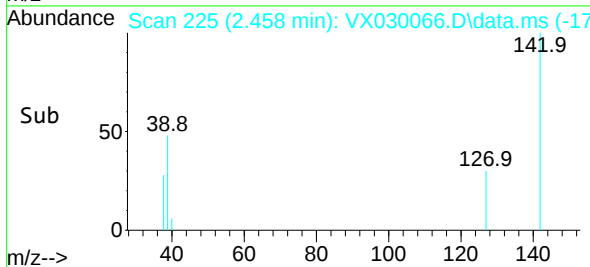
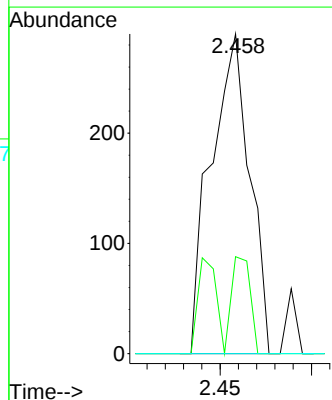
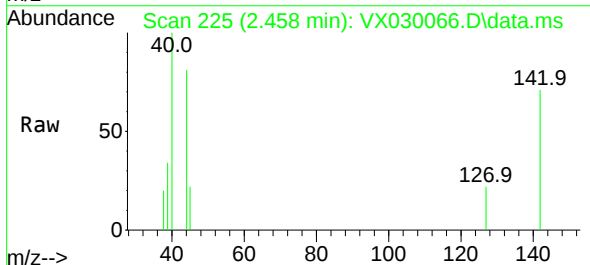
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 79.3 76.9 115.3



#10
Methyl Iodide
Concen: 2.651 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 142 Resp: 427
Ion Ratio Lower Upper
142 100
127 14.8 30.2 45.2#
141 0.0 11.3 16.9#

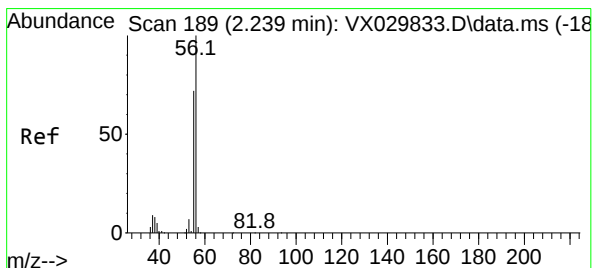
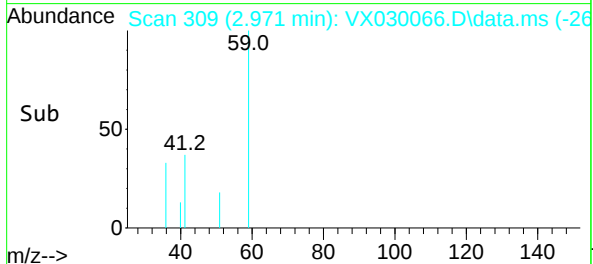
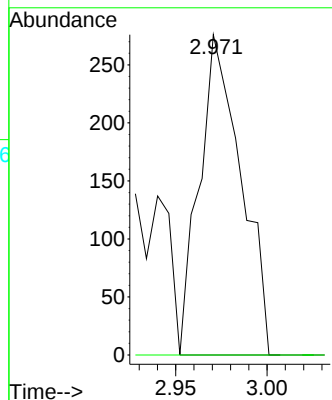
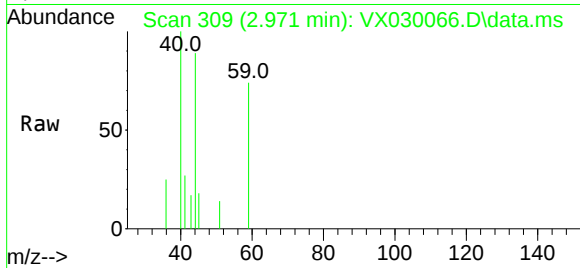




#11
Tert butyl alcohol
Concen: 0.837 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

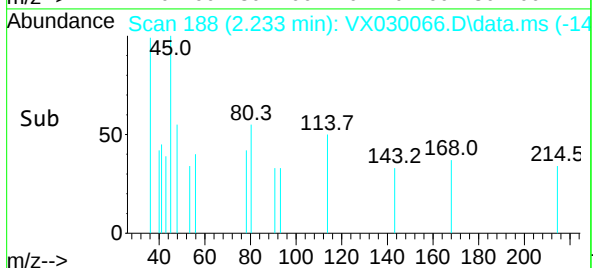
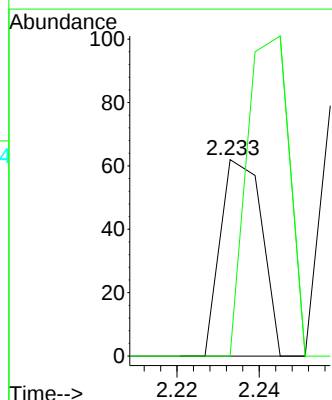
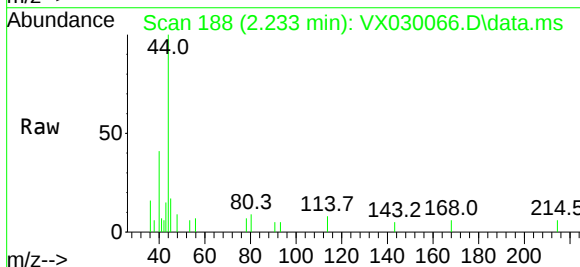
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

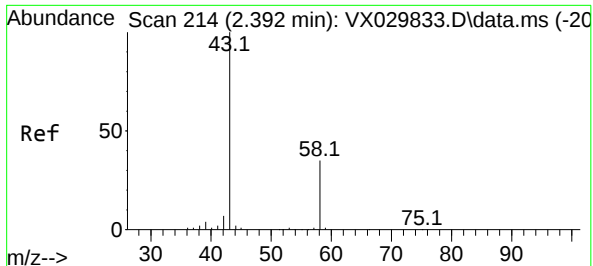
Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 0.422 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 163.6 56.6 84.8#

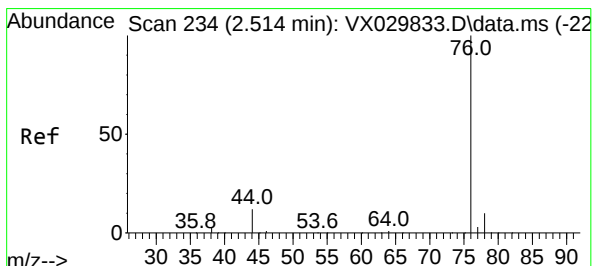
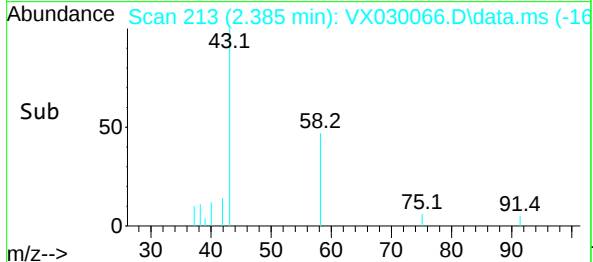
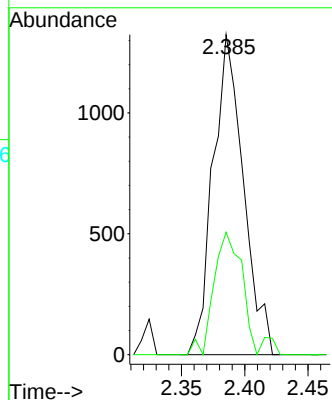
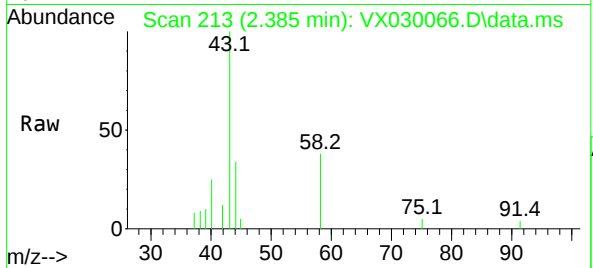




#16
Acetone
Concen: 2.310 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

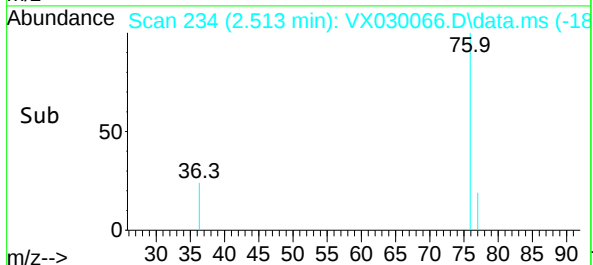
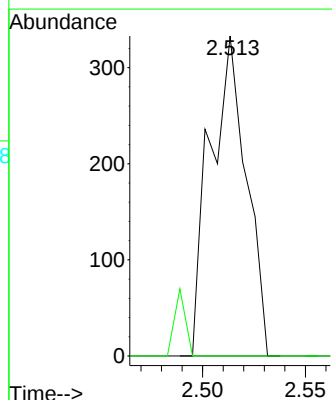
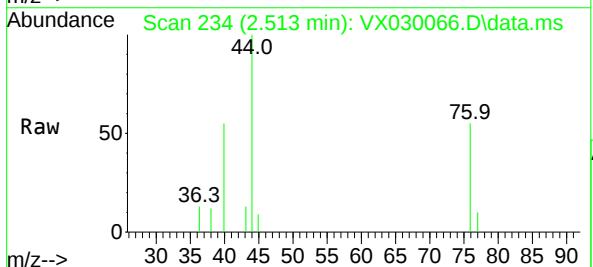
Instrument :
MSVOA_X
ClientSampleId :
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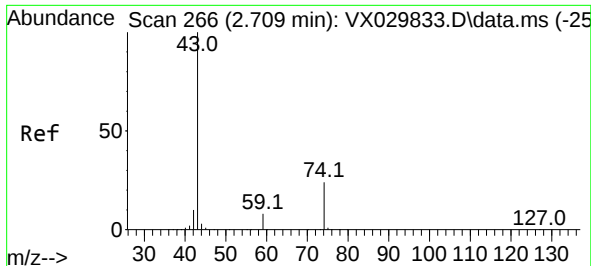
Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 38.2 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 76 Resp: 408
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

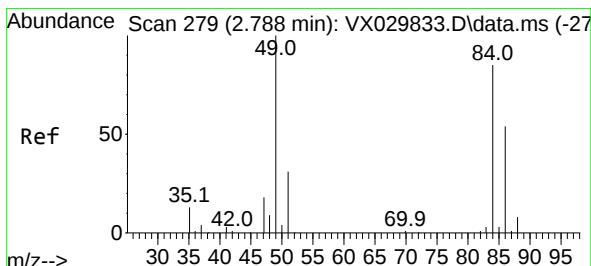
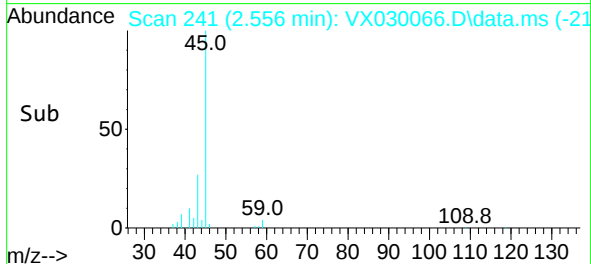
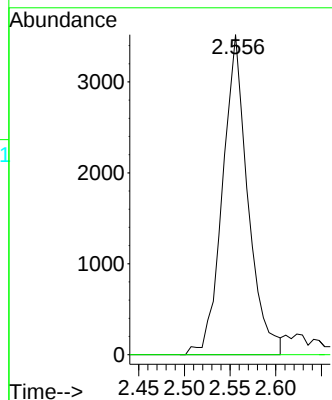
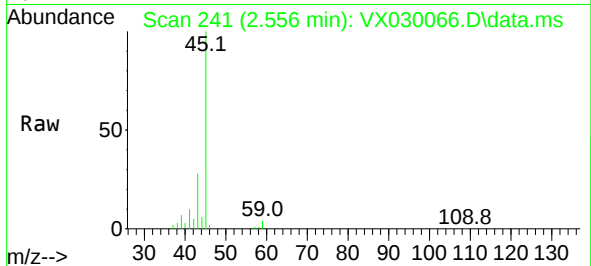




#18
Methyl Acetate
Concen: 2.337 ug/l
RT: 2.556 min Scan# 241
Delta R.T. -0.153 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

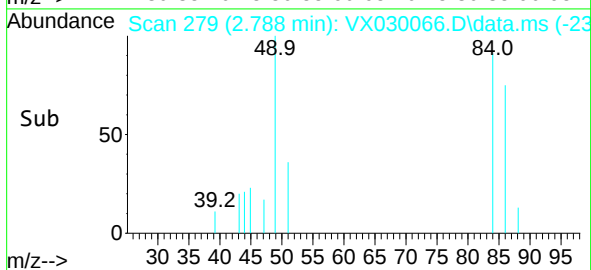
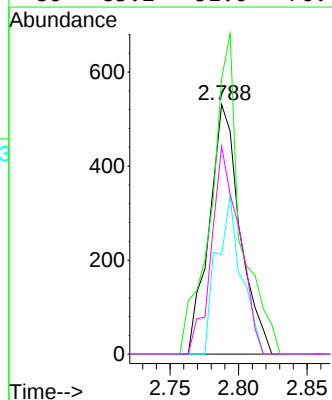
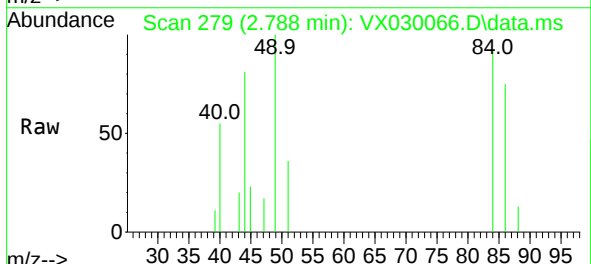
Instrument :
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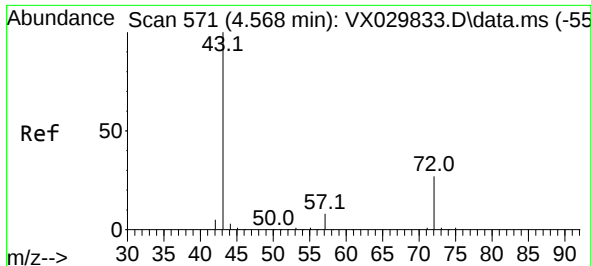
Tgt Ion: 43 Resp: 6790
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 84 Resp: 832
Ion Ratio Lower Upper
84 100
49 110.4 93.8 140.6
51 39.9 29.4 44.0
86 83.2 51.0 76.4#

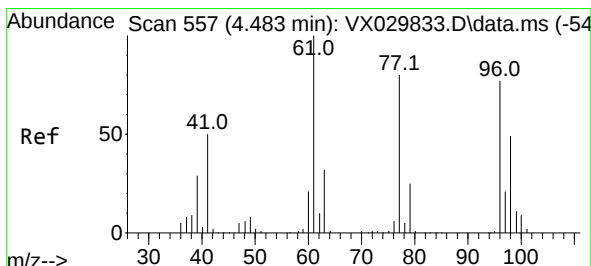
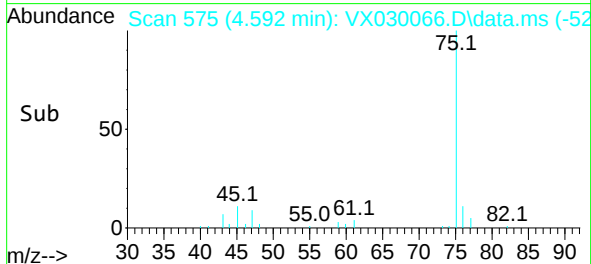
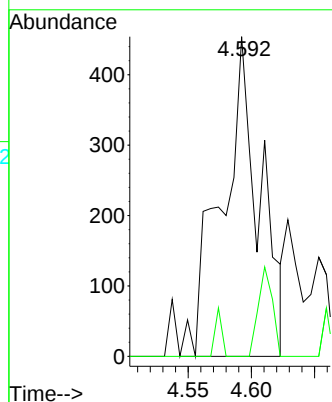
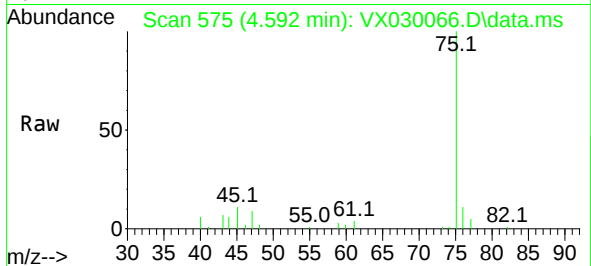




#25
2-Butanone
Concen: 0.587 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

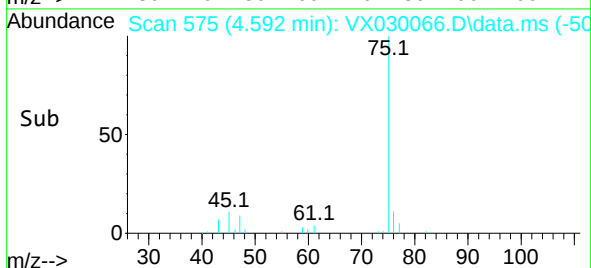
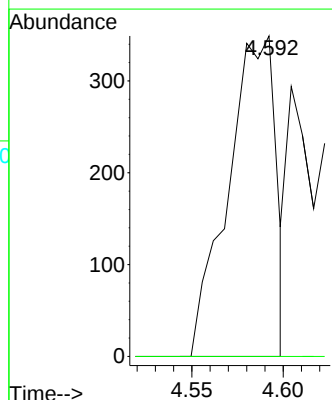
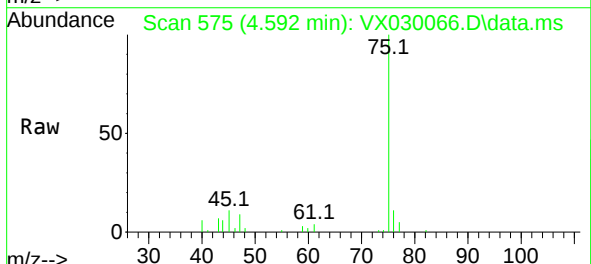
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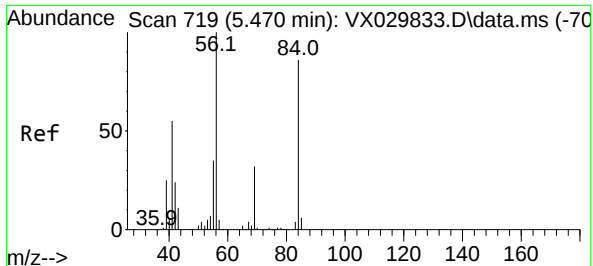
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#26
2,2-Dichloropropane
Concen: 0.282 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.109 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

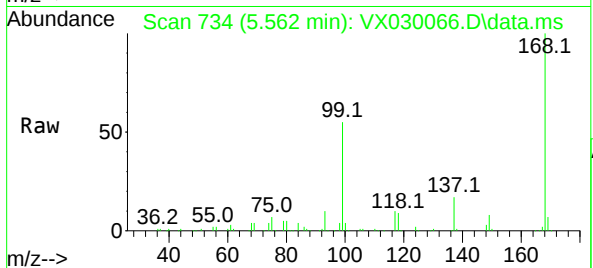
Tgt Ion: 77 Resp: 636
Ion Ratio Lower Upper
77 100
97 0.0 13.0 39.0#



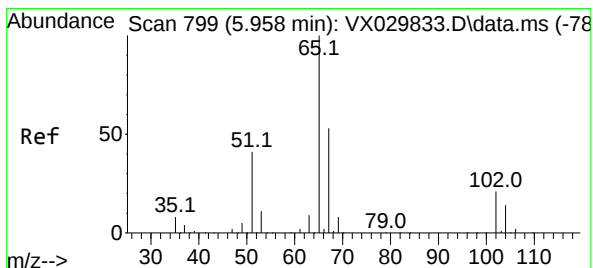
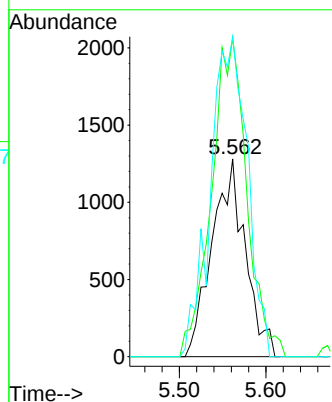
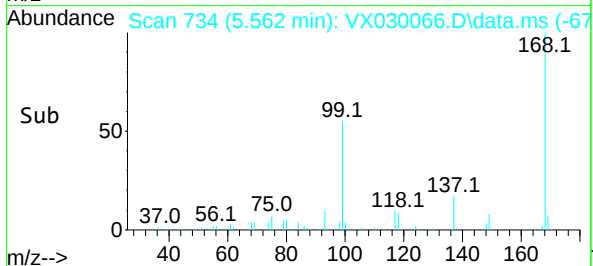


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

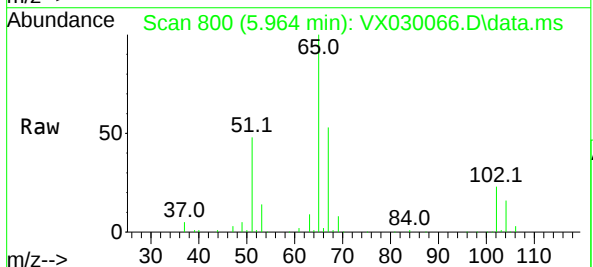
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711



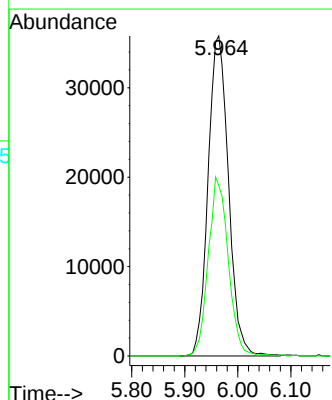
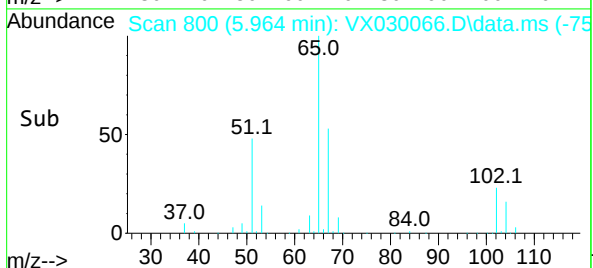
Tgt Ion: 56 Resp: 3401
Ion Ratio Lower Upper
56 100
69 161.1 25.4 38.0#
84 161.8 68.9 103.3#

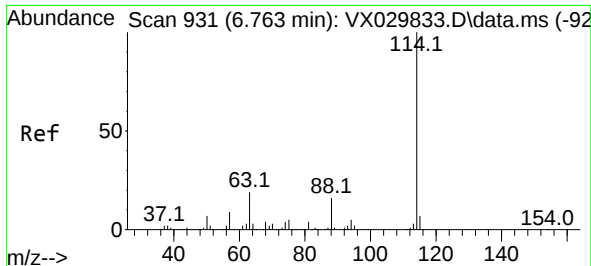


#33
1,2-Dichloroethane-d4
Concen: 47.193 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20



Tgt Ion: 65 Resp: 95664
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6

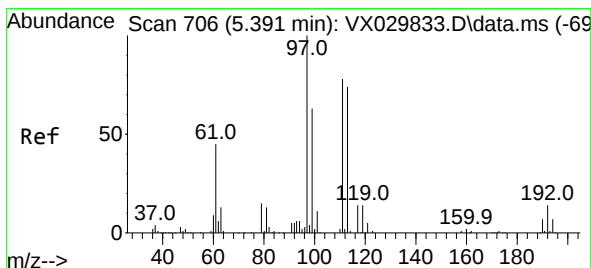
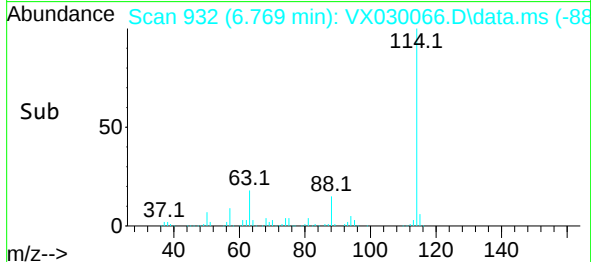
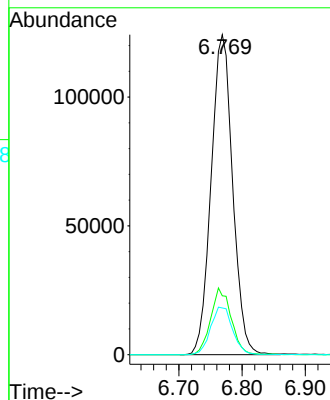
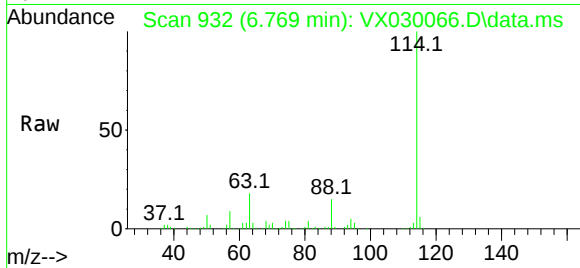




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

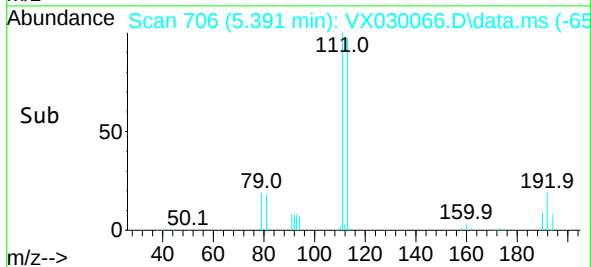
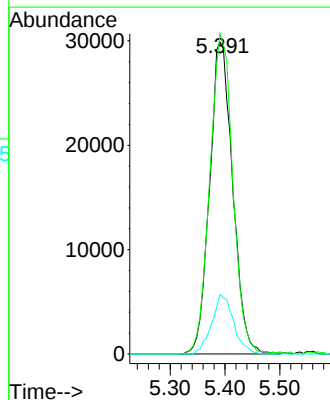
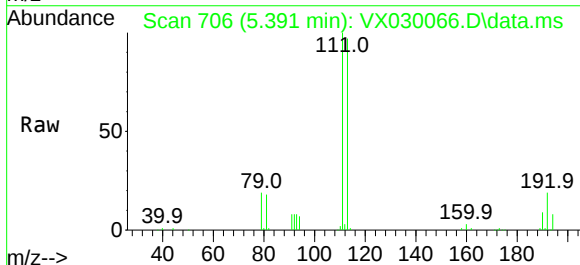
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

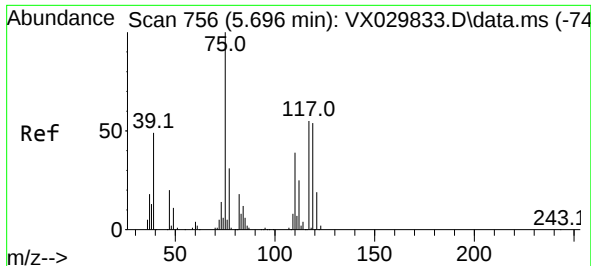
Tgt Ion:114 Resp: 292964
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.4
88 14.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.710 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion:113 Resp: 87420
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 18.0 14.8 22.2

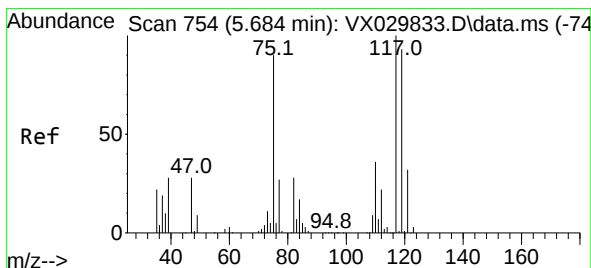
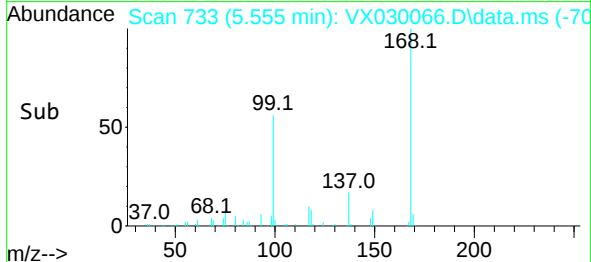
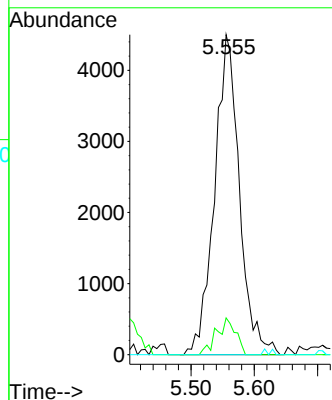
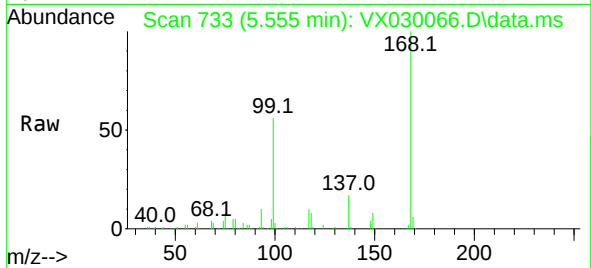




#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 5.555 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

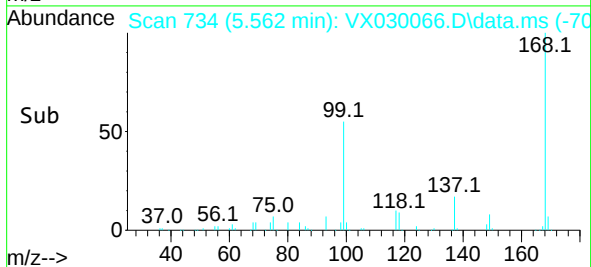
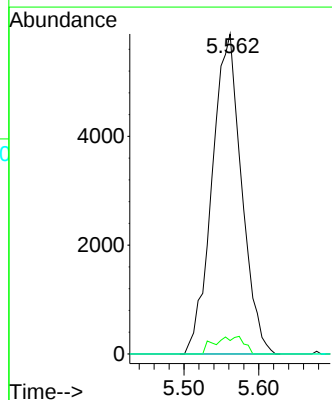
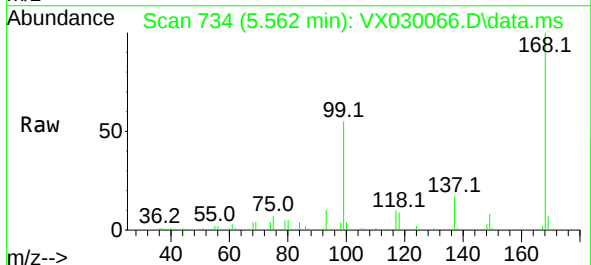
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

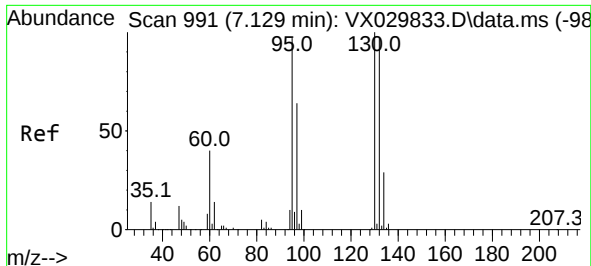
Tgt Ion: 75 Resp: 12280
Ion Ratio Lower Upper
75 100
110 8.8 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.155 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 117 Resp: 16131
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#

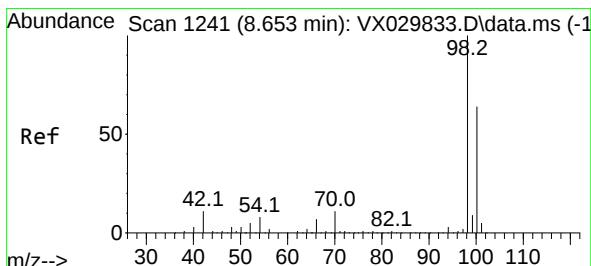
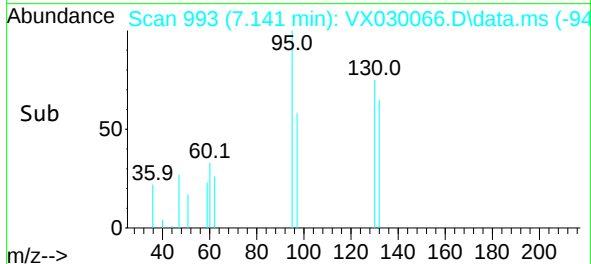
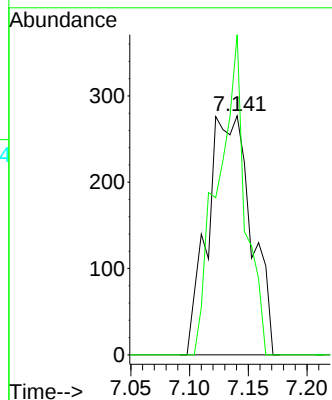
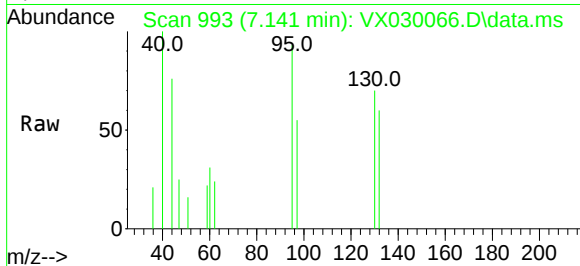




#44
Trichloroethene
Concen: 0.322 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

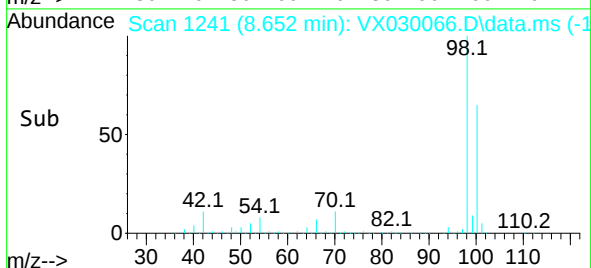
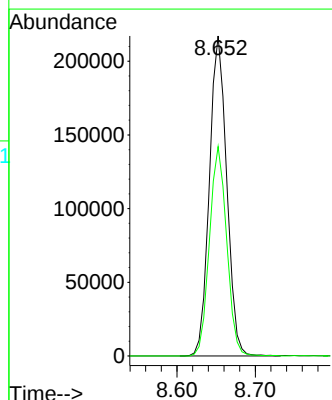
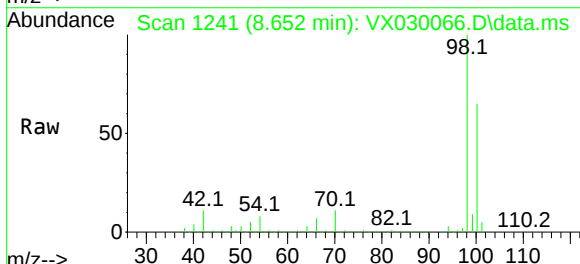
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

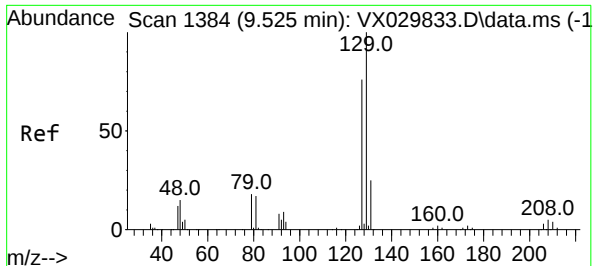
Tgt Ion:130 Resp: 717
Ion Ratio Lower Upper
130 100
95 133.9 0.0 194.8



#50
Toluene-d8
Concen: 47.395 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 98 Resp: 333610
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

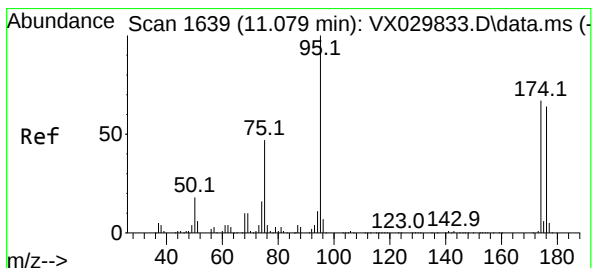
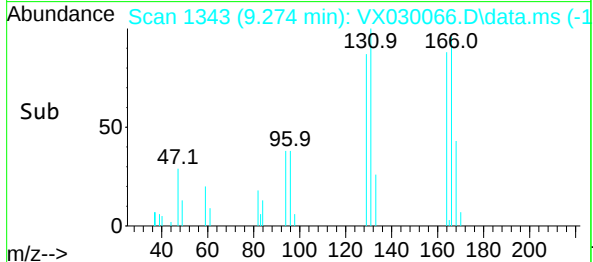
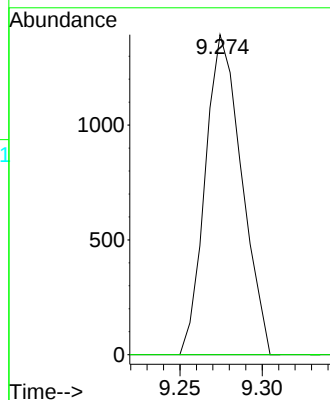
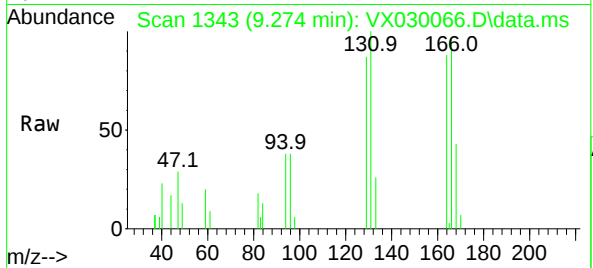




#60
Dibromochloromethane
Concen: 1.106 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

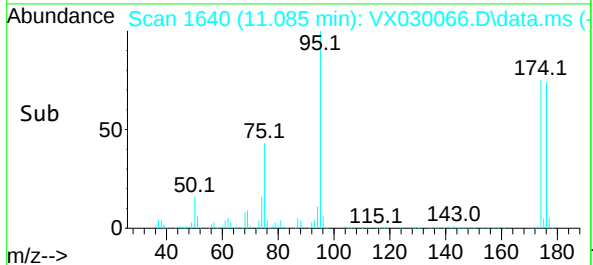
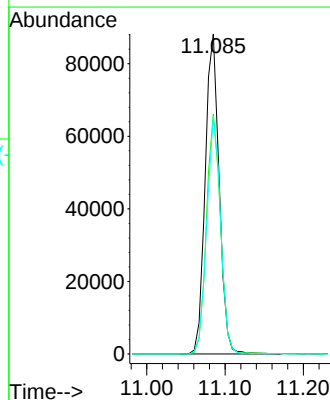
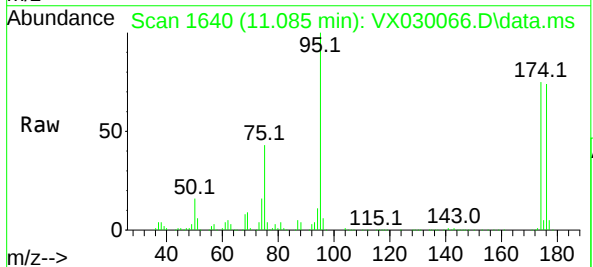
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

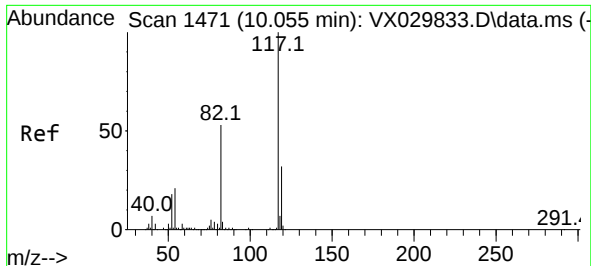
Tgt Ion:129 Resp: 2147
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 44.562 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion: 95 Resp: 108852
Ion Ratio Lower Upper
95 100
174 75.4 0.0 149.0
176 73.7 0.0 146.0

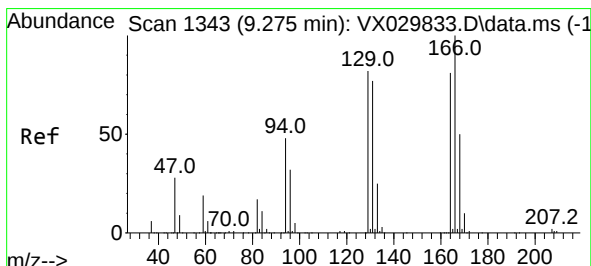
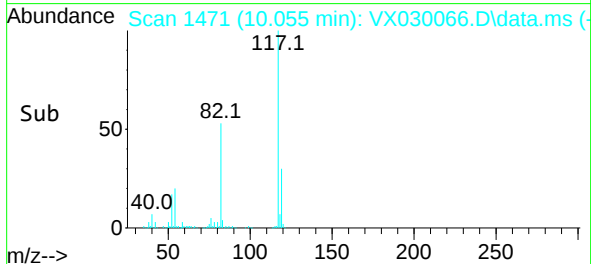
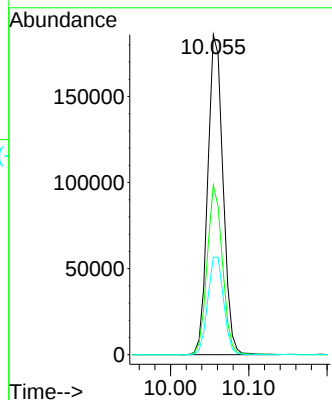
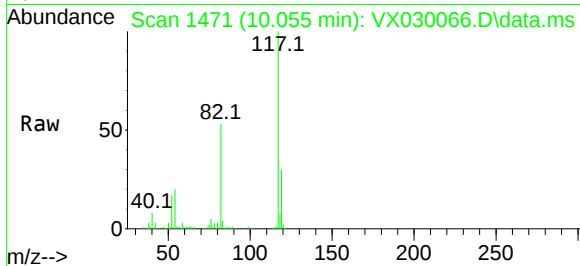




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

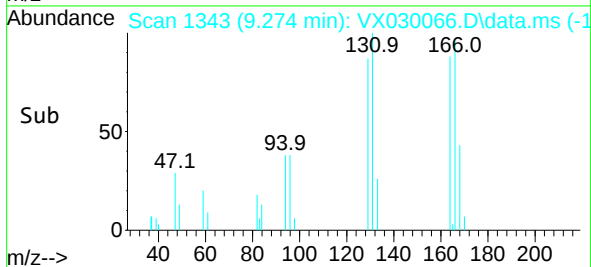
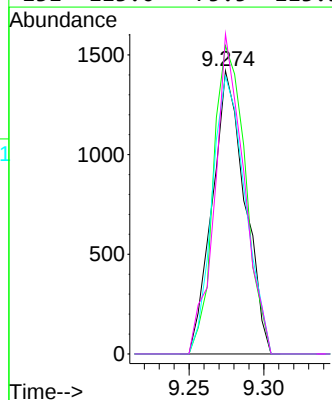
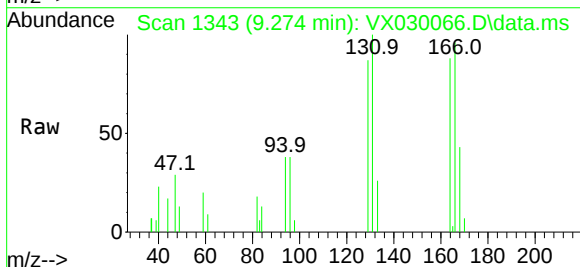
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

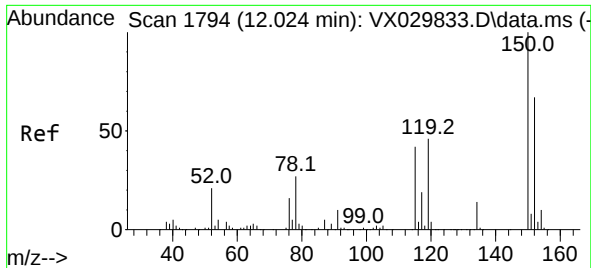
Tgt Ion:117 Resp: 251222
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 30.5 25.4 38.2



#64
Tetrachloroethene
Concen: 1.064 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX030066.D
Acq: 14 Jul 2022 17:20

Tgt Ion:164 Resp: 2145
Ion Ratio Lower Upper
164 100
166 108.9 98.2 147.4
129 98.2 80.8 121.2
131 113.0 75.5 113.3

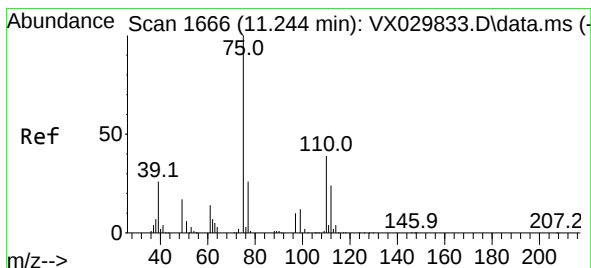
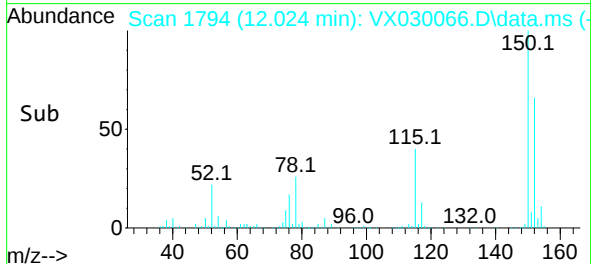
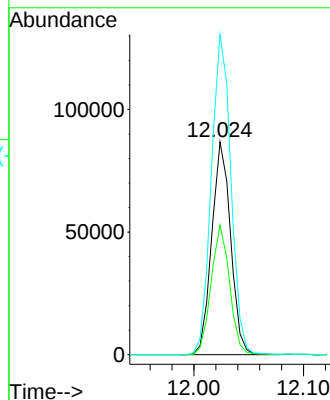
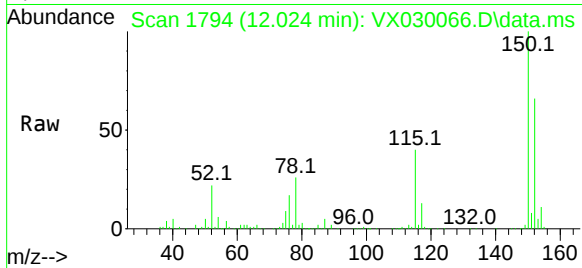




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX030066.D
 Acq: 14 Jul 2022 17:20

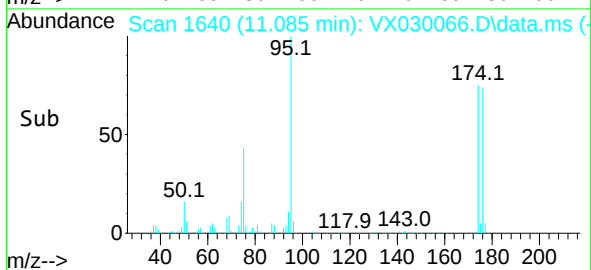
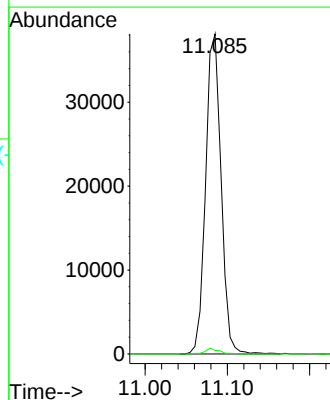
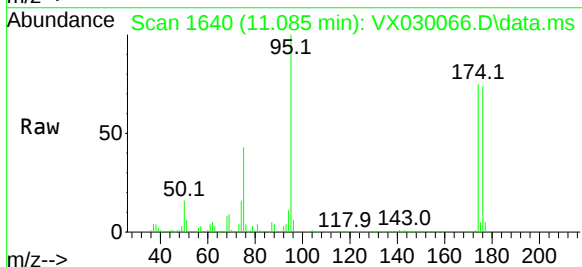
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

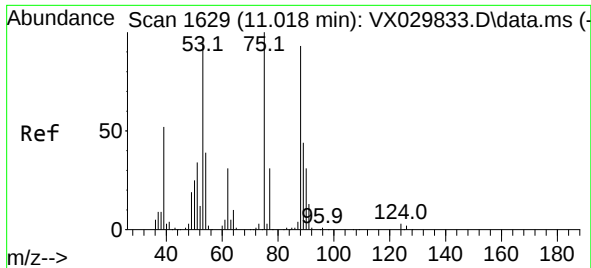
Tgt Ion:152 Resp: 103847
 Ion Ratio Lower Upper
 152 100
 115 59.7 40.5 121.5
 150 156.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.843 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030066.D
 Acq: 14 Jul 2022 17:20

Tgt Ion: 75 Resp: 49766
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.152 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030066.D
 Acq: 14 Jul 2022 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

Tgt Ion: 75 Resp: 49766
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

