

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036733.D
 Acq On : 31 Jul 2023 20:23
 Operator : JC/MD
 Sample : 03850-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-073123

Quant Time: Aug 01 04:42:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

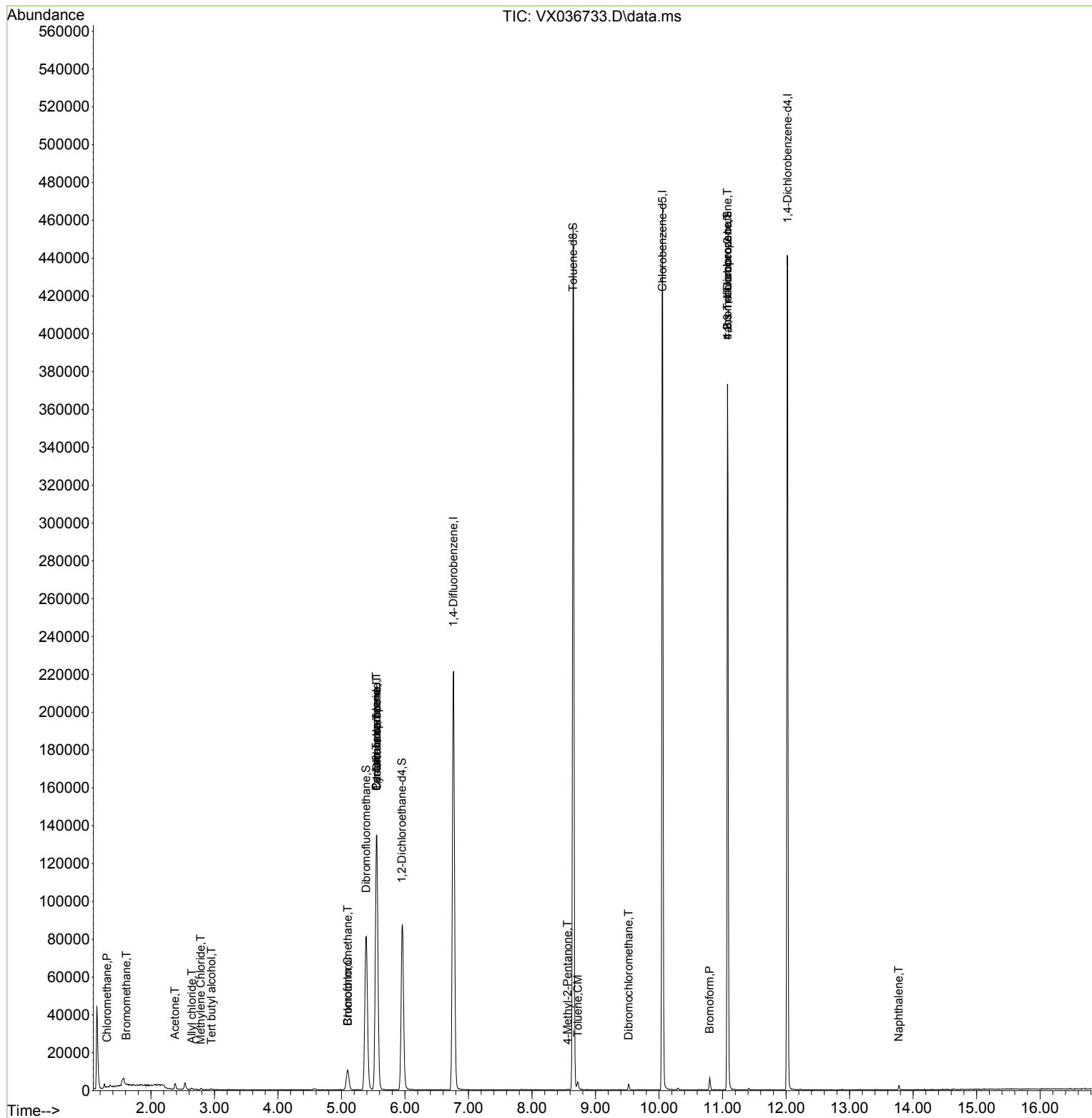
Internal Standards						
1) Pentafluorobenzene	5.550	168	125316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85382	46.047	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.100%
35) Dibromofluoromethane	5.385	113	72962	46.636	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.280%
50) Toluene-d8	8.647	98	272510	49.118	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.240%
62) 4-Bromofluorobenzene	11.079	95	98879	47.238	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	319	0.212	ug/l #	43
5) Bromomethane	1.611	94	280	0.306	ug/l #	45
11) Tert butyl alcohol	2.953	59	542	1.235	ug/l #	78
14) Allyl chloride	2.642	41	1119	0.405	ug/l #	46
16) Acetone	2.380	43	3490	4.536	ug/l	99
20) Methylene Chloride	2.782	84	360	0.210	ug/l #	68
28) Bromochloromethane	5.099	49	1129	0.794	ug/l #	16
30) Chloroform	5.099	83	13122	4.360	ug/l	96
31) Cyclohexane	5.556	56	2847	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10184	4.367	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13431	5.418	ug/l #	16
51) 4-Methyl-2-Pentanone	8.561	43	785	0.312	ug/l #	37
52) Toluene	8.720	92	1494	0.351	ug/l	94
60) Dibromochloromethane	9.519	129	1581	0.805	ug/l	93
71) Bromoform	10.799	173	2205	1.538	ug/l #	98
76) 1,2,3-Trichloropropane	11.079	75	51560	23.747	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51560	53.824	ug/l #	5
95) Naphthalene	13.774	128	1777	0.266	ug/l #	96

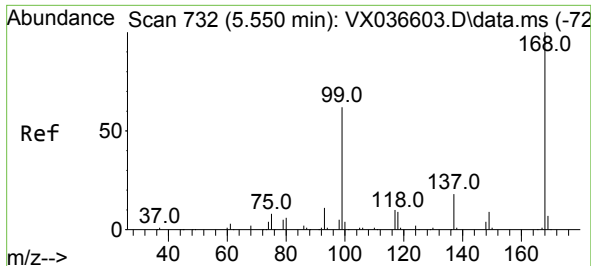
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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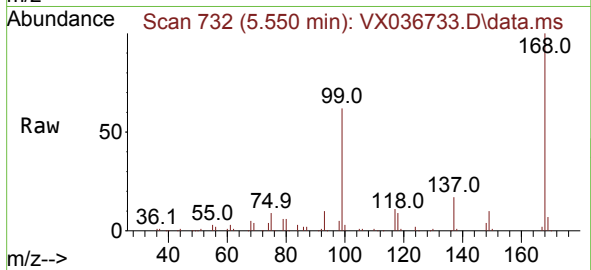
Quant Time: Aug 01 04:42:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



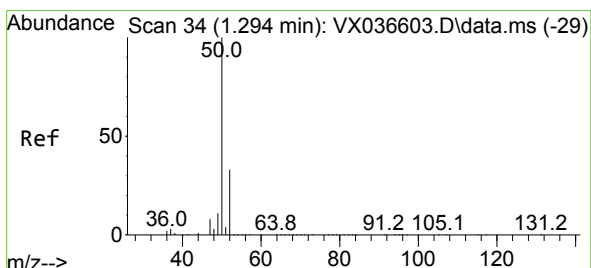
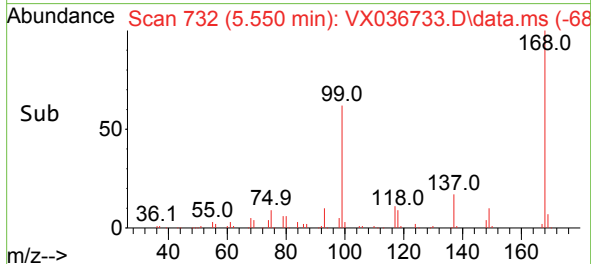
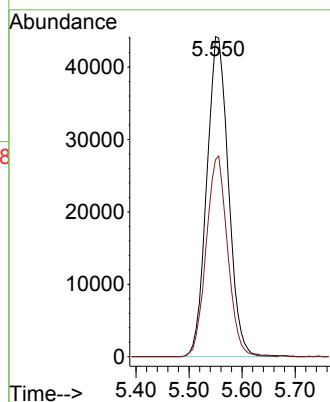


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

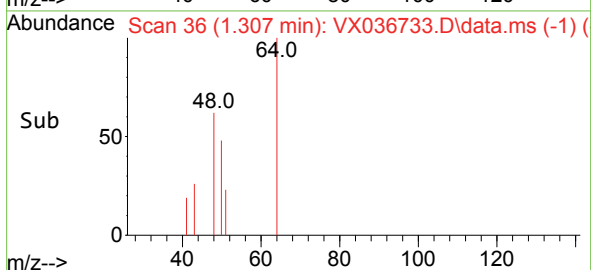
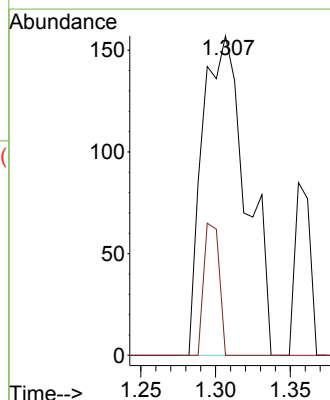
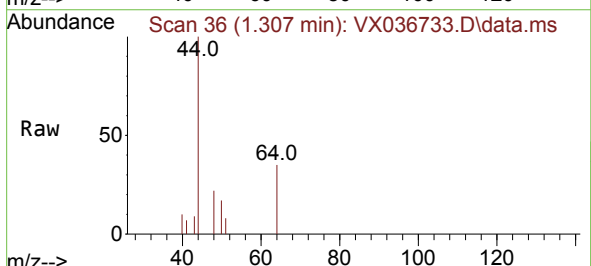


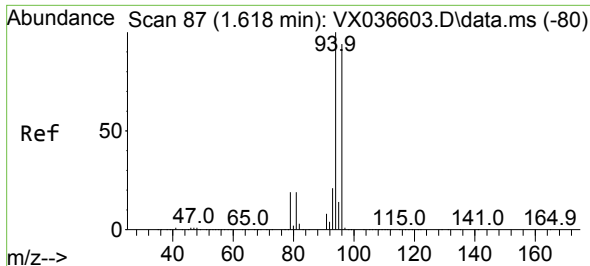
Tgt Ion:168 Resp: 125316
Ion Ratio Lower Upper
168 100
99 61.6 56.6 85.0



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

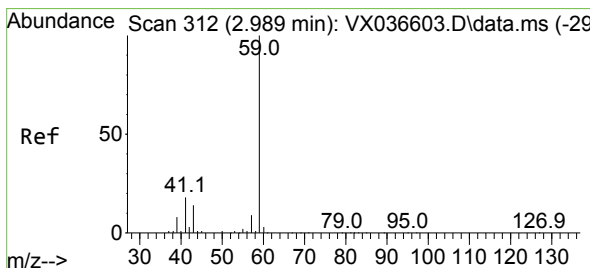
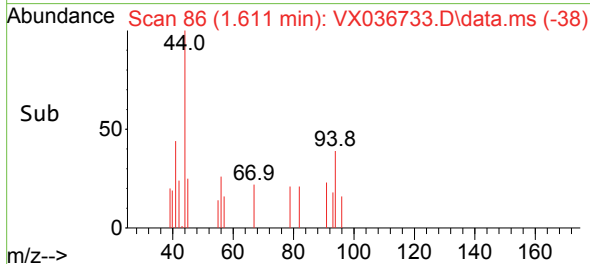
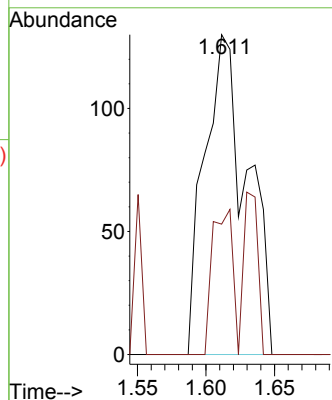
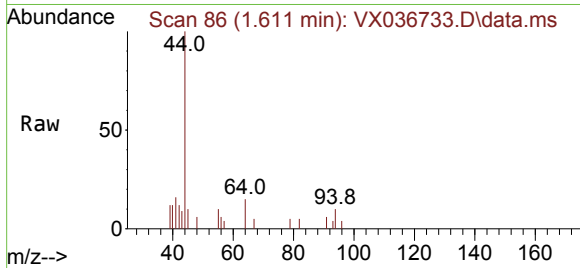




#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

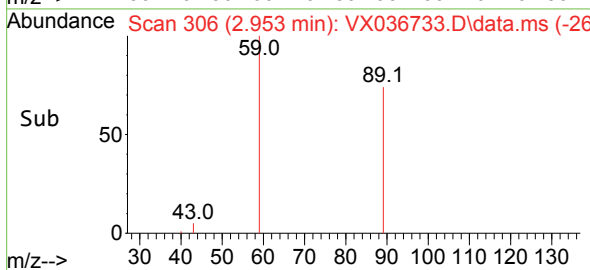
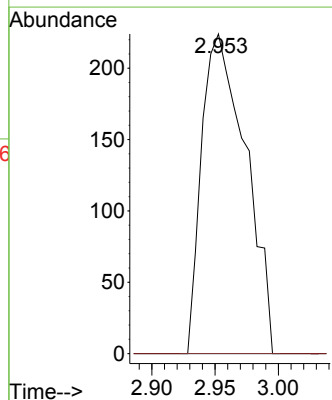
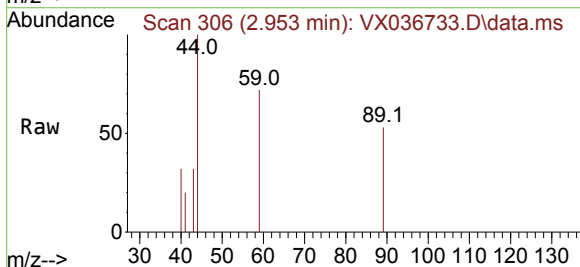
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

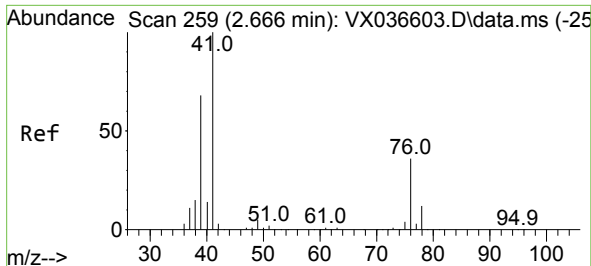
Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 40.8 74.6 111.8#



#11
Tert butyl alcohol
Concen: 1.235 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

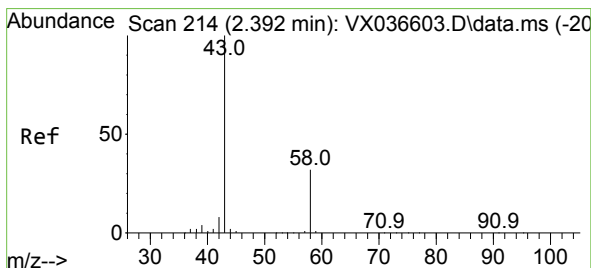
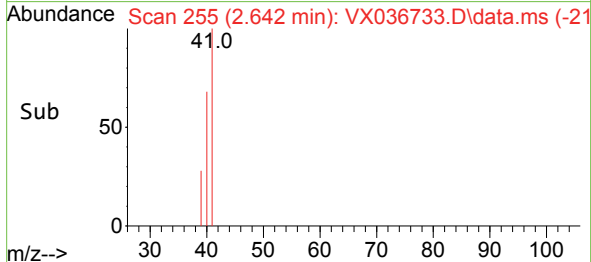
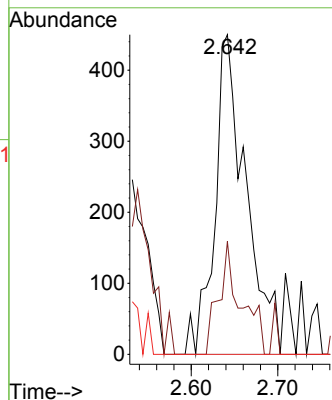
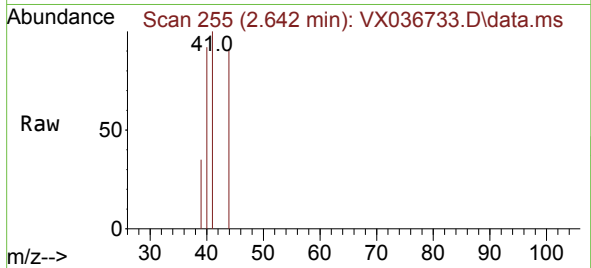




#14
 Allyl chloride
 Concen: 0.405 ug/l
 RT: 2.642 min Scan# 211
 Delta R.T. -0.024 min
 Lab File: VX036733.D
 Acq: 31 Jul 2023 20:23

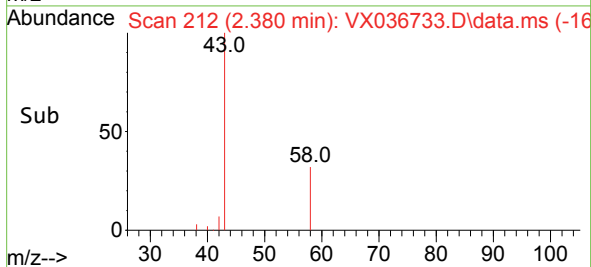
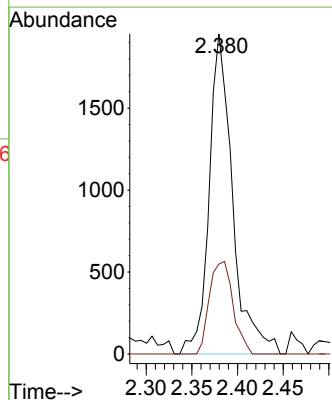
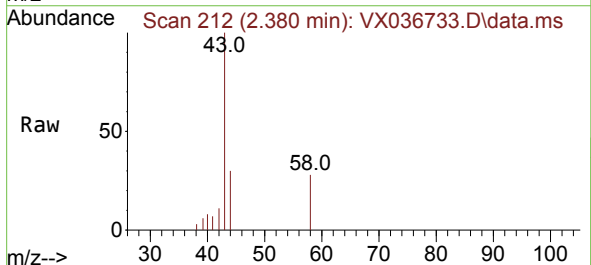
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-073123

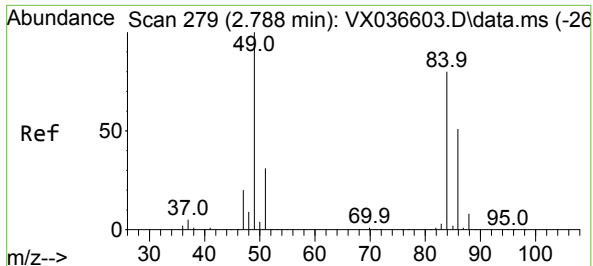
Tgt Ion: 41 Resp: 1119
 Ion Ratio Lower Upper
 41 100
 39 25.8 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 4.536 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX036733.D
 Acq: 31 Jul 2023 20:23

Tgt Ion: 43 Resp: 3490
 Ion Ratio Lower Upper
 43 100
 58 28.1 21.9 32.9





#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

TB-01-073123

Tgt Ion: 84 Resp: 360

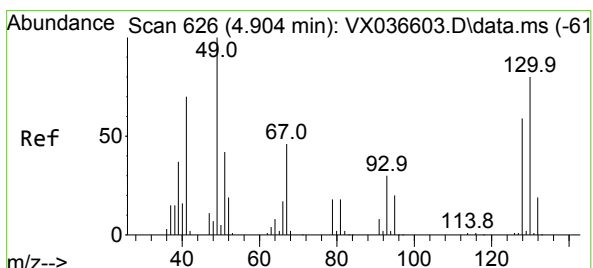
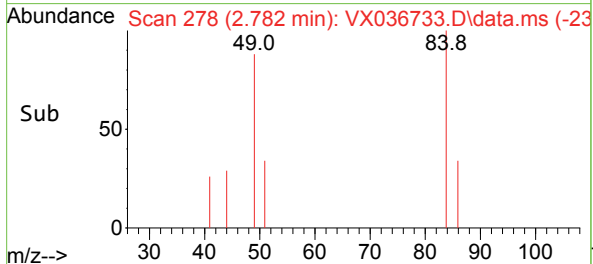
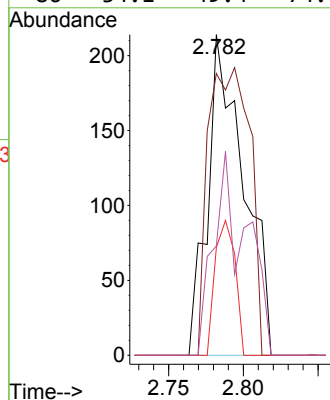
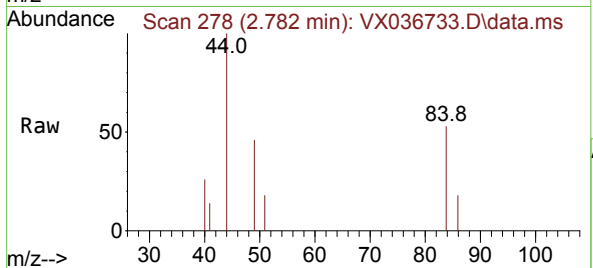
Ion Ratio Lower Upper

84 100

49 87.9 103.6 155.4#

51 33.6 33.8 50.6#

86 34.1 49.4 74.0#



#28

Bromochloromethane

Concen: 0.794 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.195 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

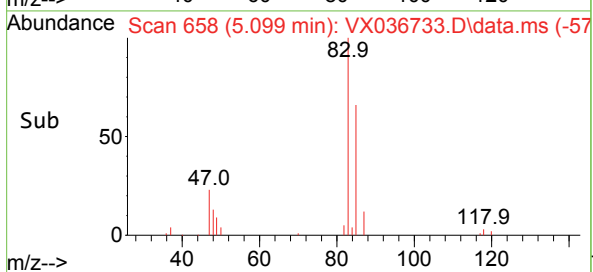
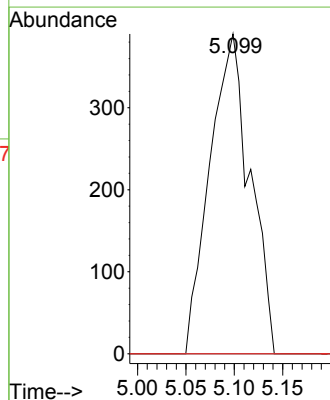
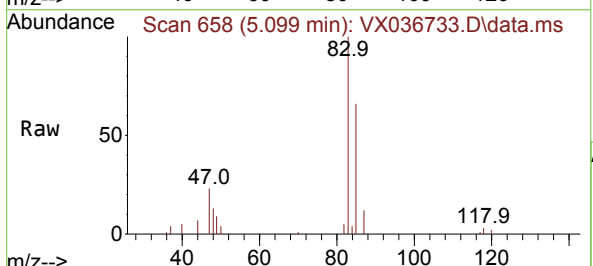
Tgt Ion: 49 Resp: 1129

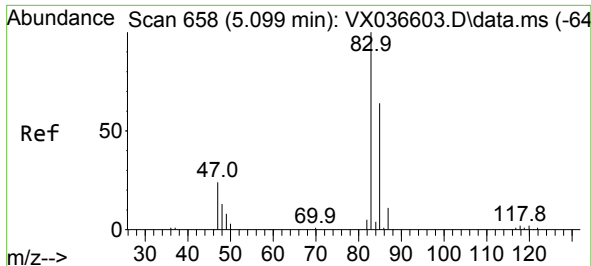
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#30

Chloroform

Concen: 4.360 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

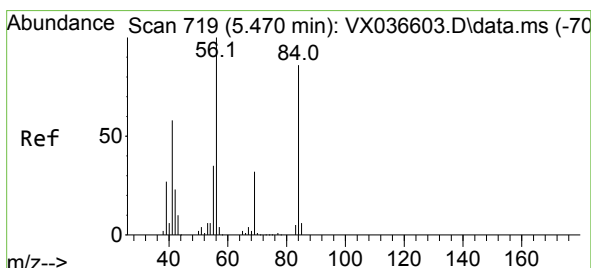
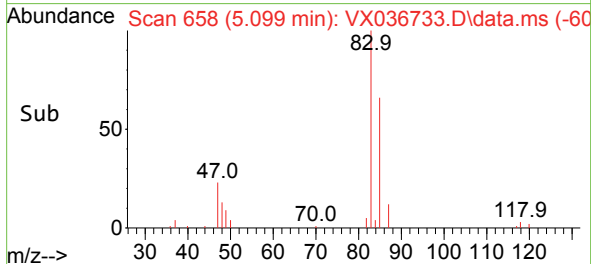
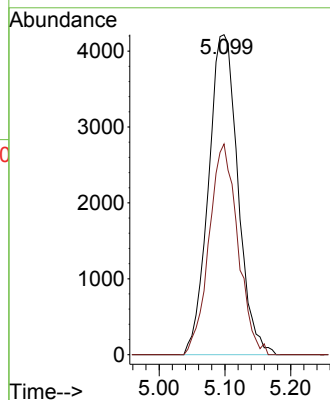
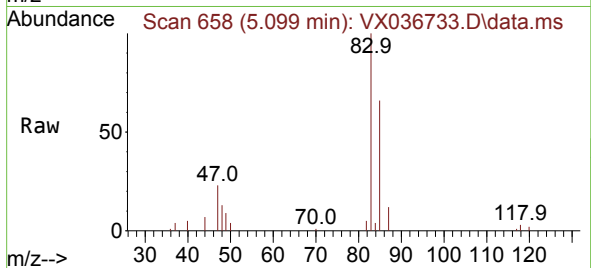
TB-01-073123

Tgt Ion: 83 Resp: 13122

Ion Ratio Lower Upper

83 100

85 65.9 50.3 75.5



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

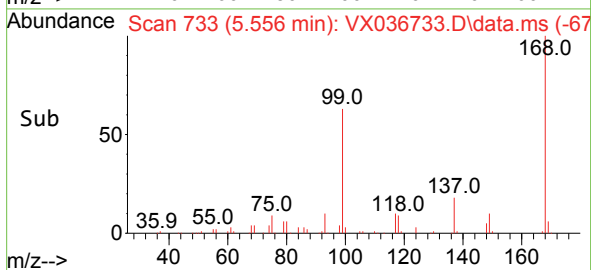
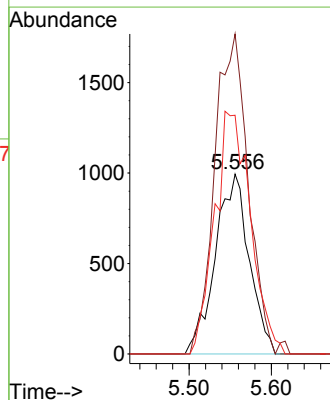
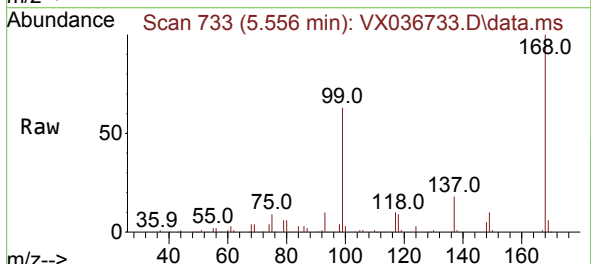
Tgt Ion: 56 Resp: 2847

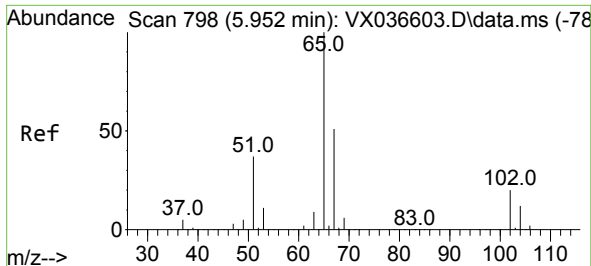
Ion Ratio Lower Upper

56 100

69 178.0 23.4 35.2#

84 132.8 65.9 98.9#

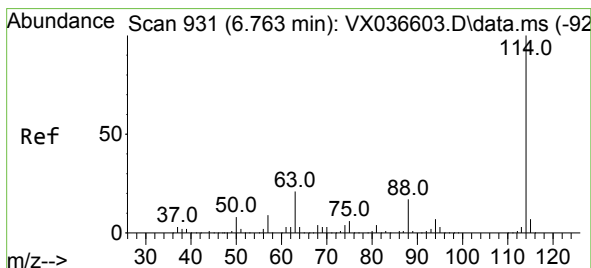
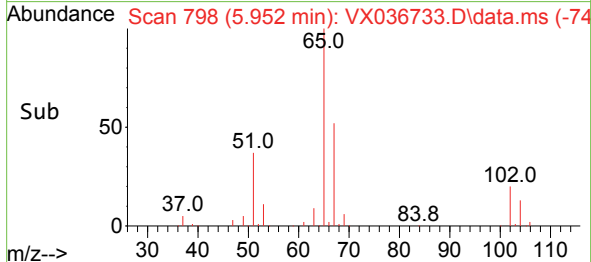
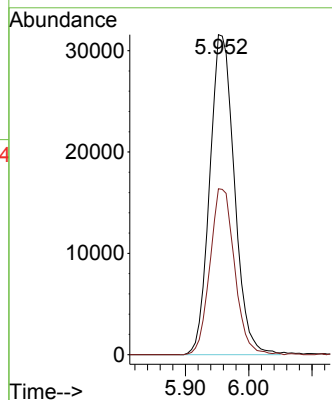
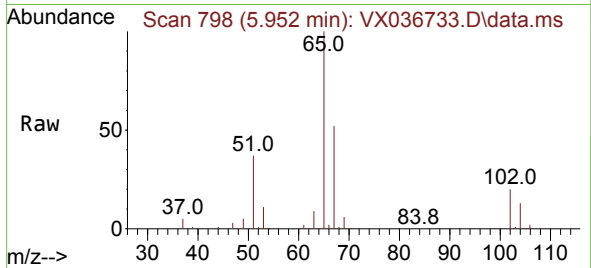




#33
 1,2-Dichloroethane-d4
 Concen: 46.047 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX036733.D
 Acq: 31 Jul 2023 20:23

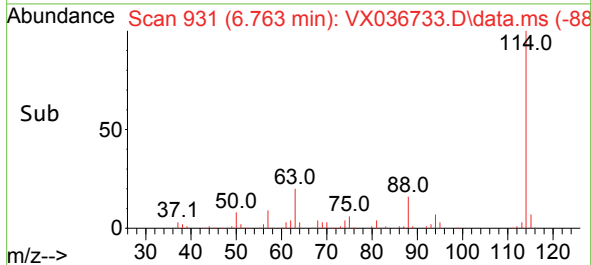
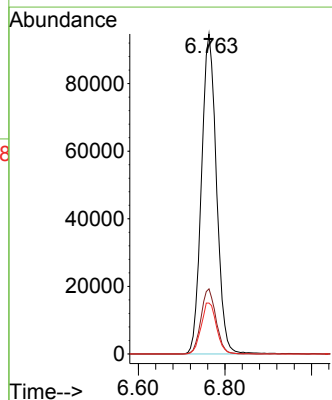
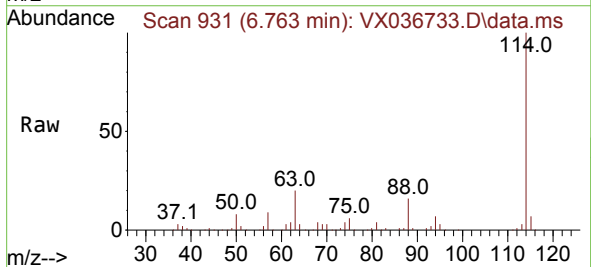
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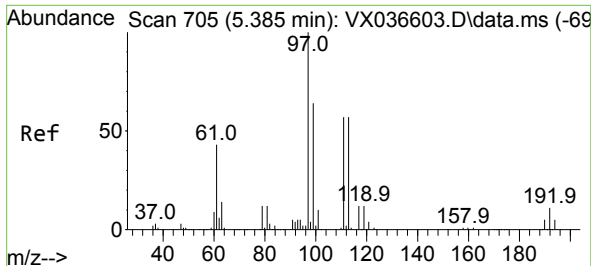
Tgt Ion: 65 Resp: 85382
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036733.D
 Acq: 31 Jul 2023 20:23

Tgt Ion: 114 Resp: 227615
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.0
 88 15.9 0.0 36.6

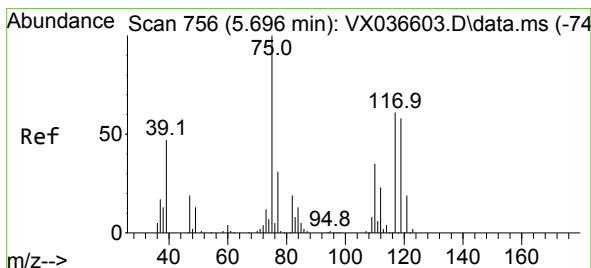
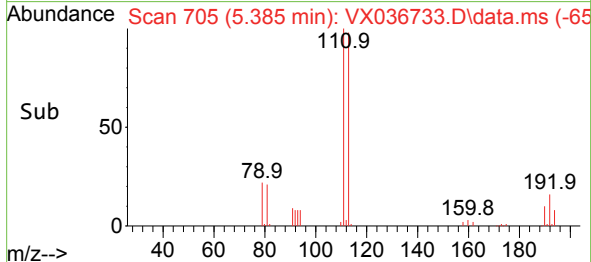
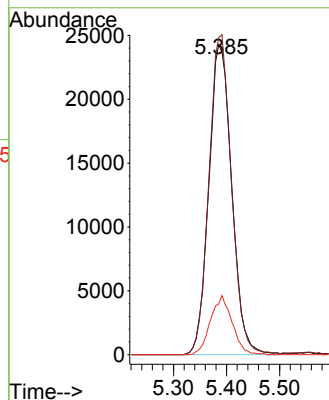
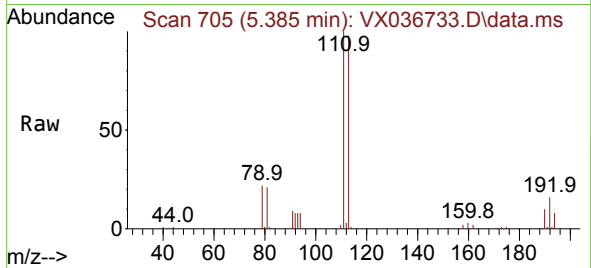




#35
Dibromofluoromethane
Concen: 46.636 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

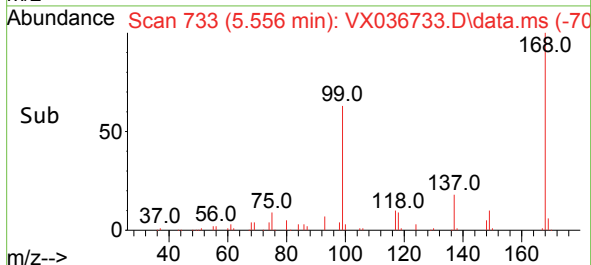
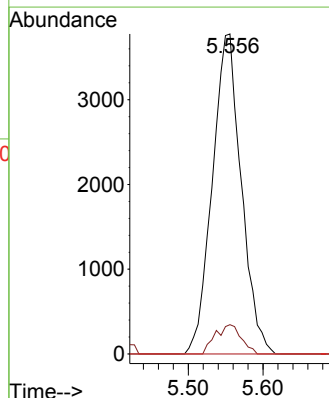
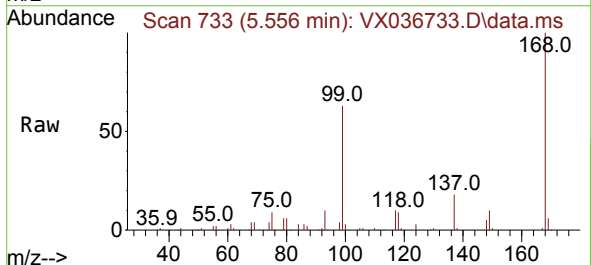
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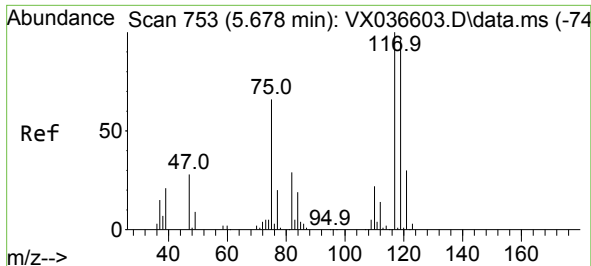
Tgt Ion:113 Resp: 72962
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

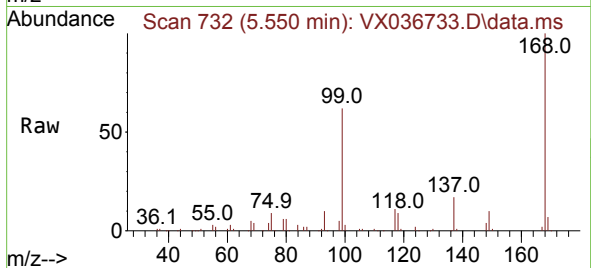
Tgt Ion: 75 Resp: 10184
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#



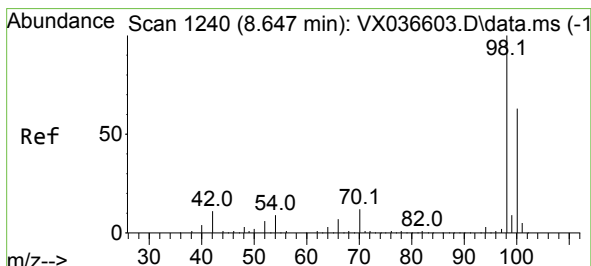
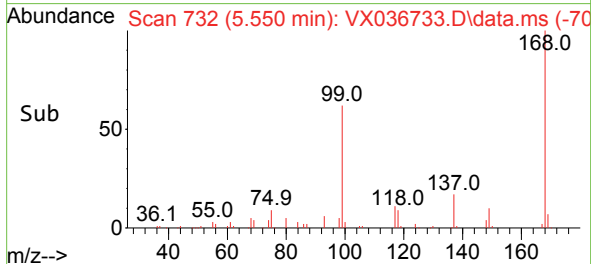
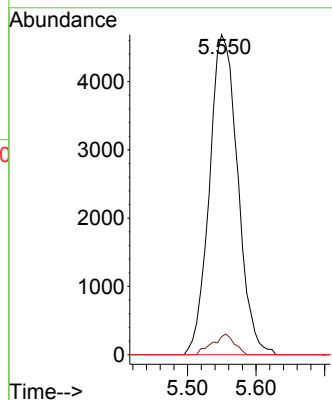


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

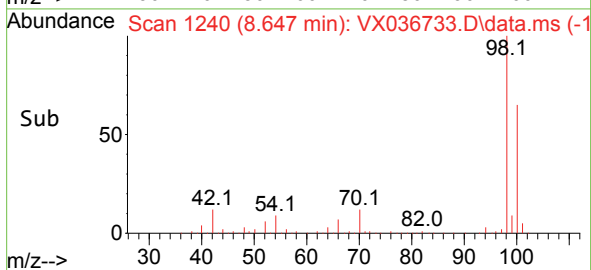
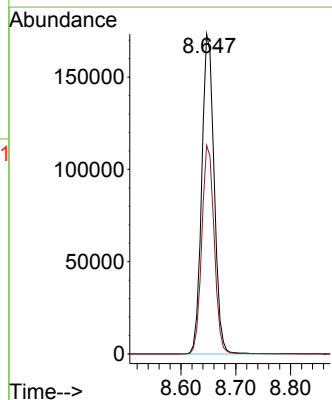
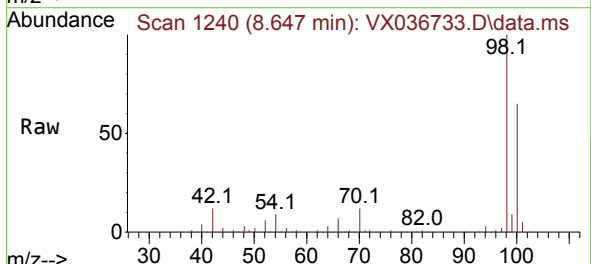


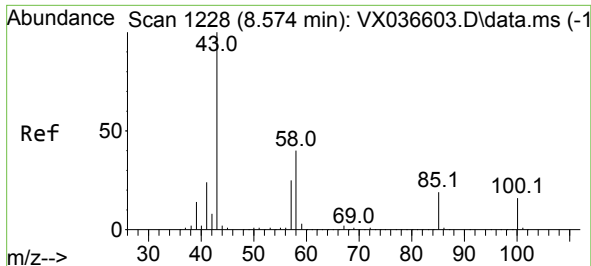
Tgt Ion:117 Resp: 13431
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.118 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion: 98 Resp: 272510
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.312 ug/l

RT: 8.561 min Scan# 1226

Delta R.T. -0.012 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

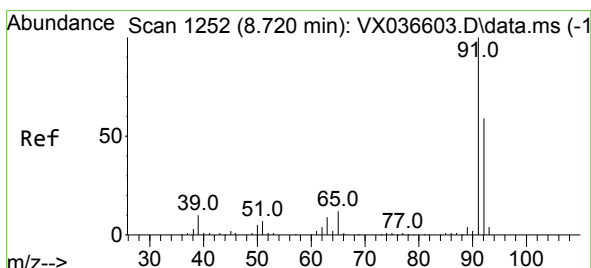
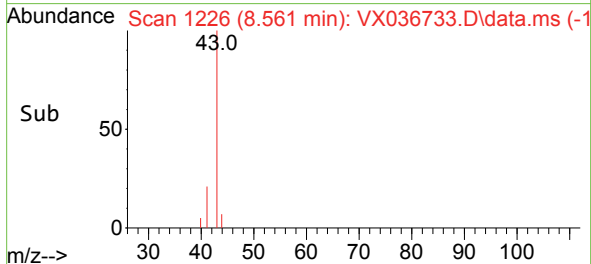
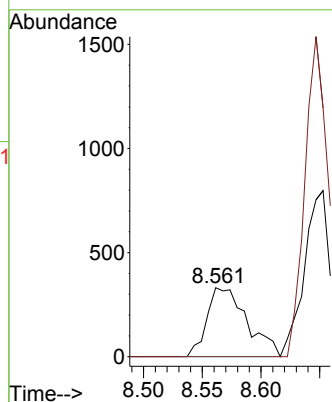
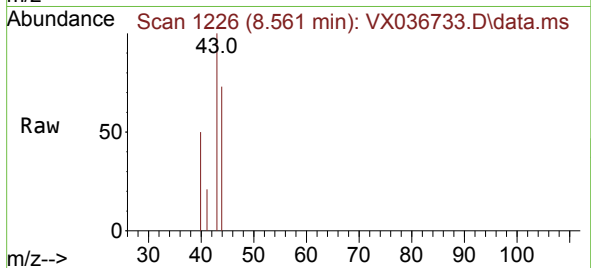
TB-01-073123

Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#52

Toluene

Concen: 0.351 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX036733.D

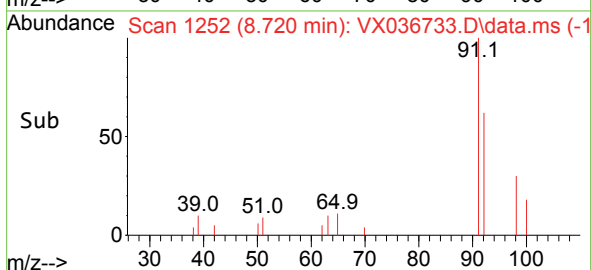
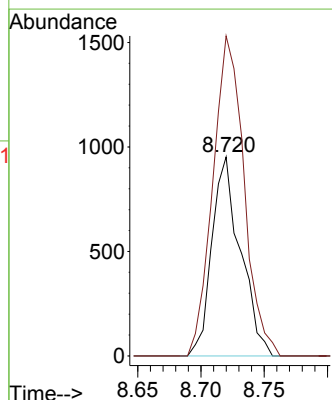
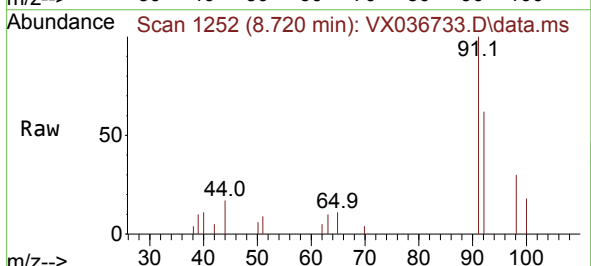
Acq: 31 Jul 2023 20:23

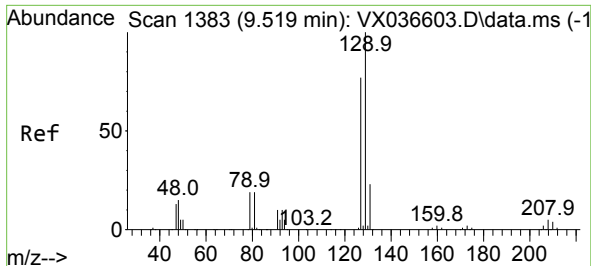
Tgt Ion: 92 Resp: 1494

Ion Ratio Lower Upper

92 100

91 175.5 134.2 201.2

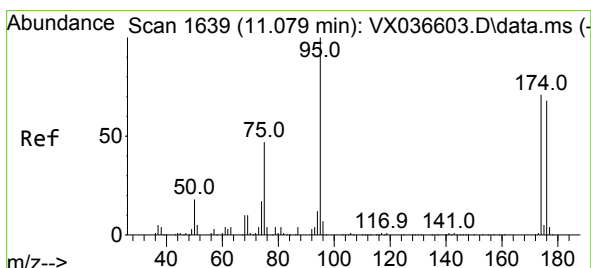
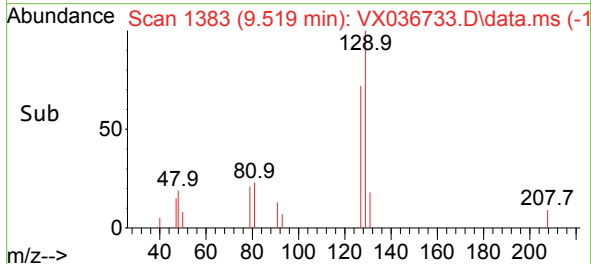
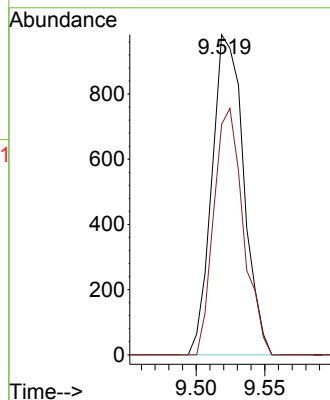
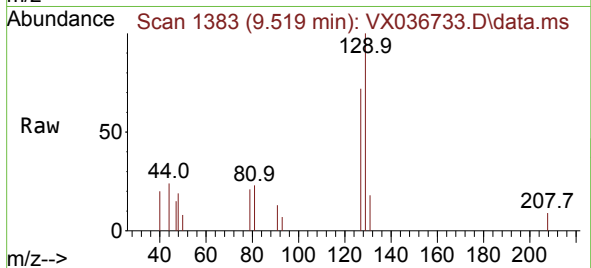




#60
Dibromochloromethane
Concen: 0.805 ug/l
RT: 9.519 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

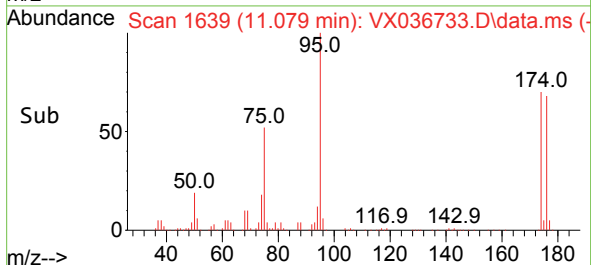
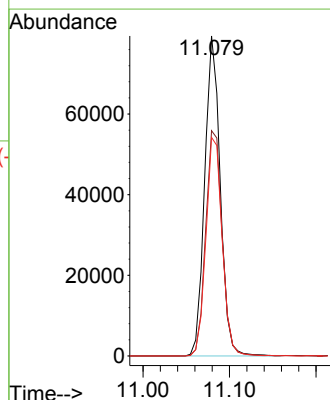
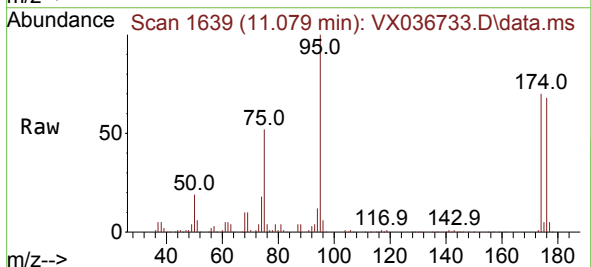
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

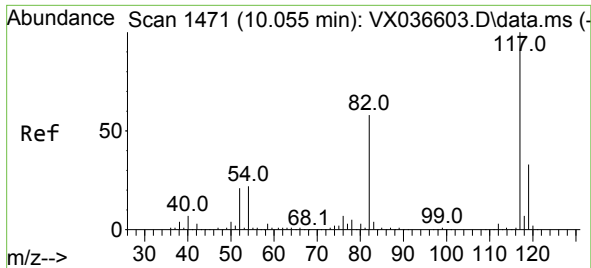
Tgt Ion:129 Resp: 1581
Ion Ratio Lower Upper
129 100
127 71.6 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 47.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion: 95 Resp: 98879
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.6 0.0 131.0

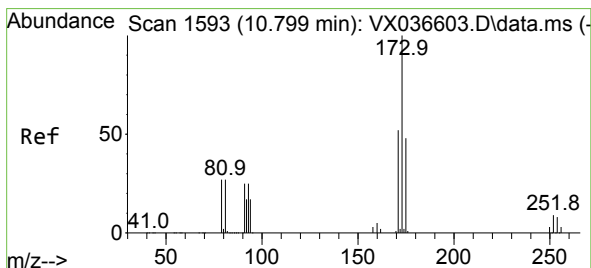
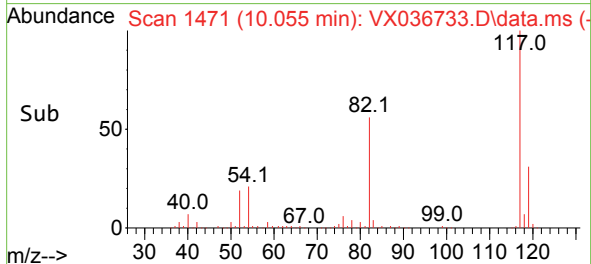
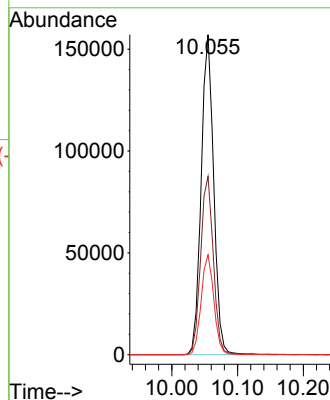
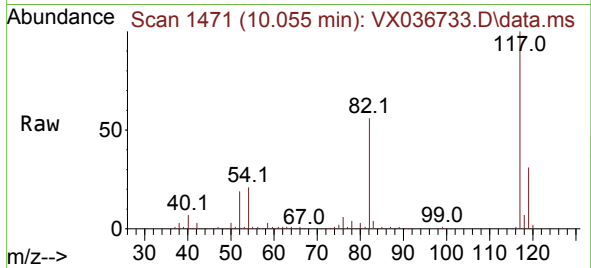




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

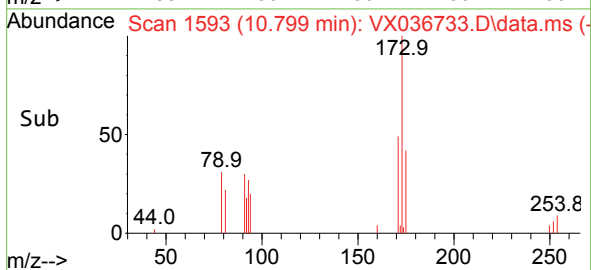
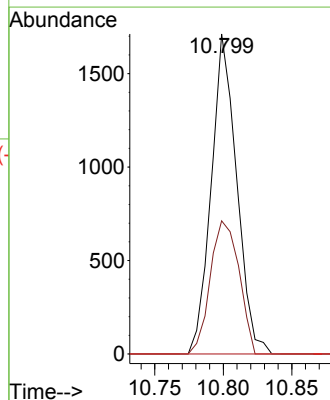
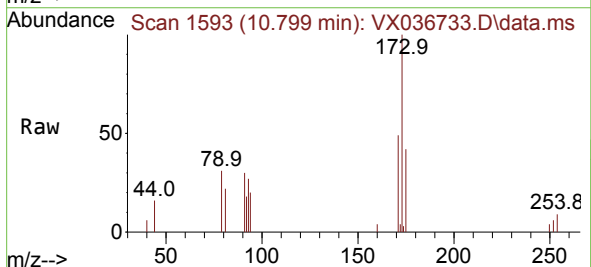
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

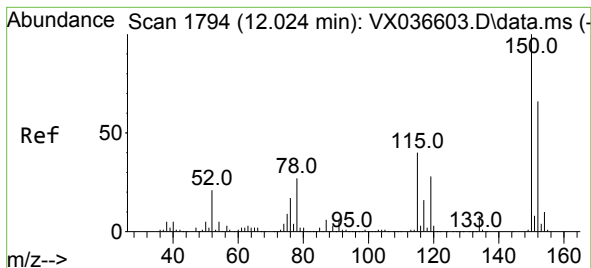
Tgt Ion:117 Resp: 207811
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 31.2 25.5 38.3



#71
Bromoform
Concen: 1.538 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion:173 Resp: 2205
Ion Ratio Lower Upper
173 100
175 47.0 24.1 72.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036733.D

Acq: 31 Jul 2023 20:23

Instrument :

MSVOA_X

ClientSampleId :

TB-01-073123

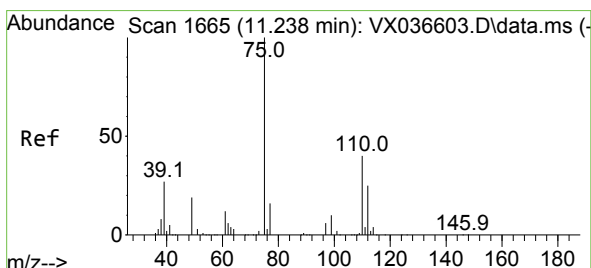
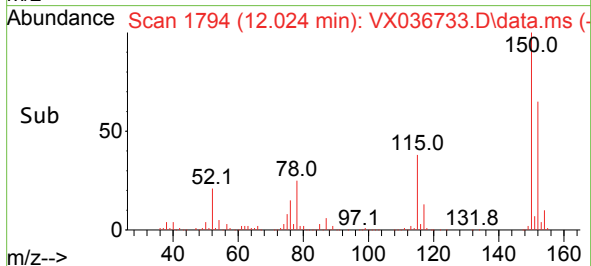
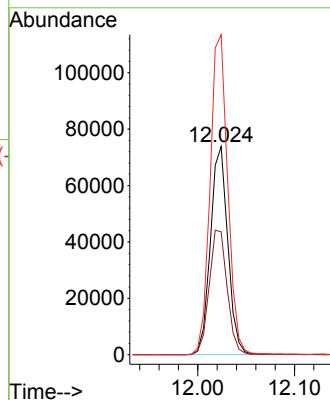
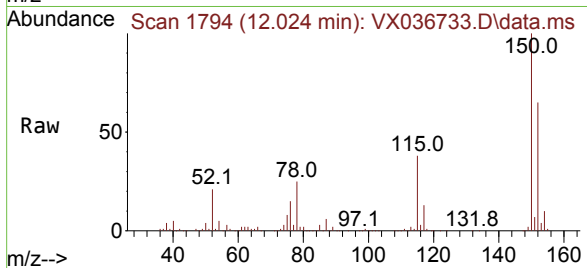
Tgt Ion:152 Resp: 92310

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 156.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.747 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036733.D

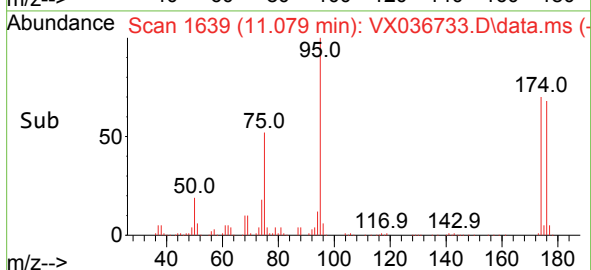
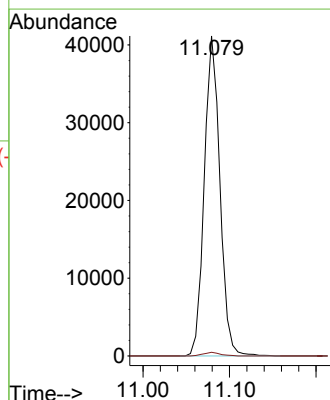
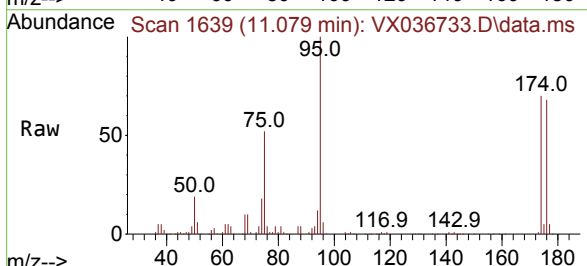
Acq: 31 Jul 2023 20:23

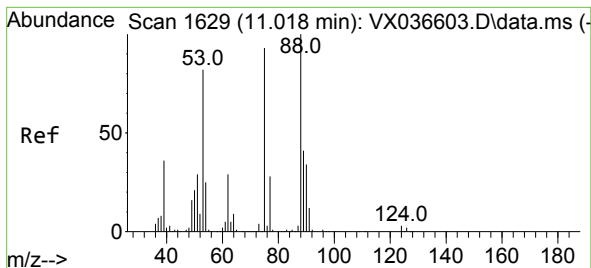
Tgt Ion: 75 Resp: 51560

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

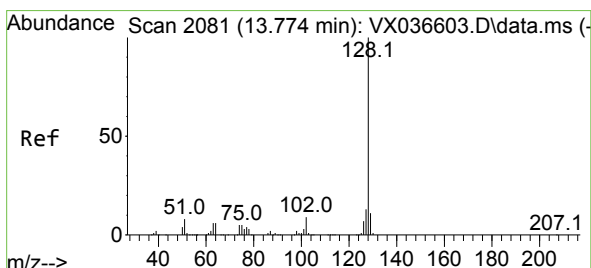
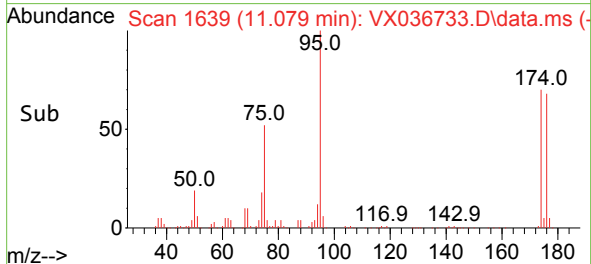
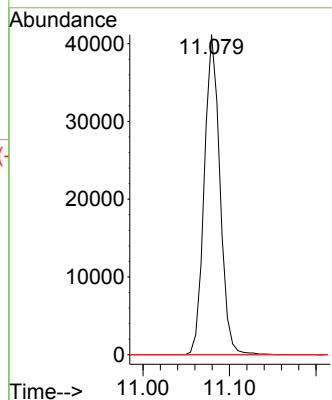
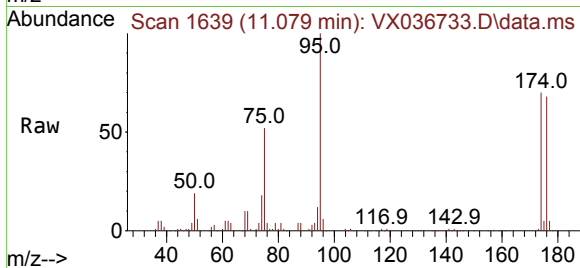




#81
trans-1,4-Dichloro-2-butene
Concen: 53.824 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Instrument :
MSVOA_X
ClientSampleId :
TB-01-073123

Tgt Ion: 75 Resp: 51560
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.266 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036733.D
Acq: 31 Jul 2023 20:23

Tgt Ion: 128 Resp: 1777
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 10.4 8.8 13.2

