

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029266.D
 Acq On : 07 Jun 2022 03:12
 Operator : JC/MD
 Sample : N3166-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55BR-20220601

Quant Time: Jun 07 06:10:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

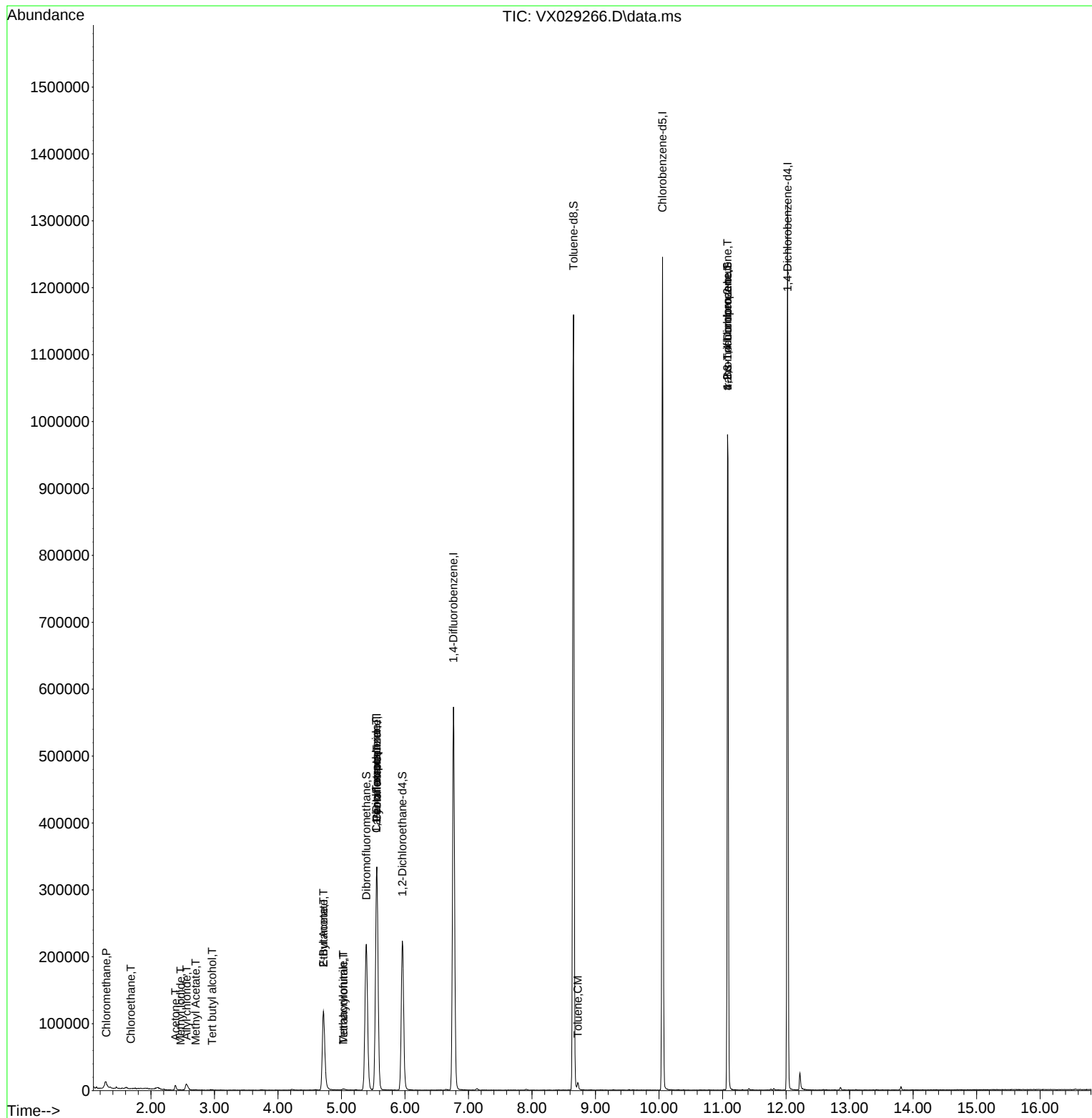
Internal Standards						
1) Pentafluorobenzene	5.556	168	308415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	586265	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	261865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	217985	62.679	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	125.360%
35) Dibromofluoromethane	5.391	113	194202	49.871	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.740%
50) Toluene-d8	8.653	98	696139	48.878	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.760%
62) 4-Bromofluorobenzene	11.079	95	279295	50.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.460%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1140	0.406	ug/l	92
5) Bromomethane	1.611	94	693	Below Cal	#	39
6) Chloroethane	1.685	64	307	1.515	ug/l #	43
10) Methyl Iodide	2.465	142	520	4.364	ug/l #	78
11) Tert butyl alcohol	2.965	59	885	1.098	ug/l #	78
14) Allyl chloride	2.563	41	1510	0.362	ug/l #	55
16) Acetone	2.386	43	7457	5.445	ug/l	97
18) Methyl Acetate	2.703	43	848	0.239	ug/l #	83
25) 2-Butanone	4.715	43	197829	89.551	ug/l #	44
29) Tetrahydrofuran	5.032	42	1609	1.136	ug/l #	70
31) Cyclohexane	5.556	56	6434	1.423	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	24766	4.943	ug/l #	49
37) Ethyl Acetate	4.715	43	199170	41.015	ug/l	99
38) Carbon Tetrachloride	5.550	117	32677	5.707	ug/l #	14
41) Methacrylonitrile	5.026	41	525	0.200	ug/l #	40
44) Trichloroethene	7.135	130	833	Below Cal		85
52) Toluene	8.720	92	3796	0.383	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	137463	25.895	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	137463	75.971	ug/l #	15

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

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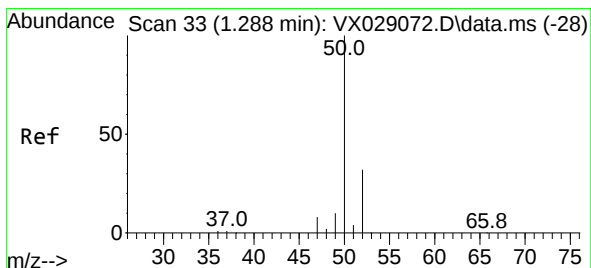
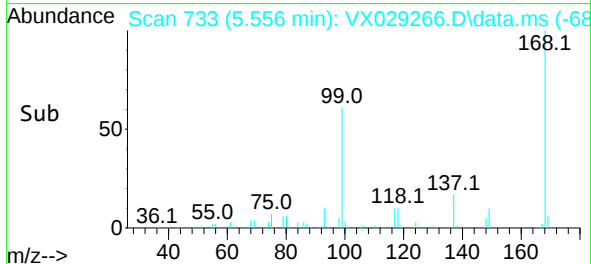
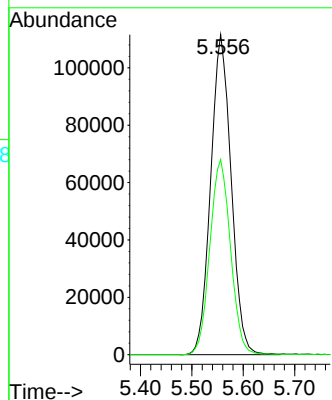
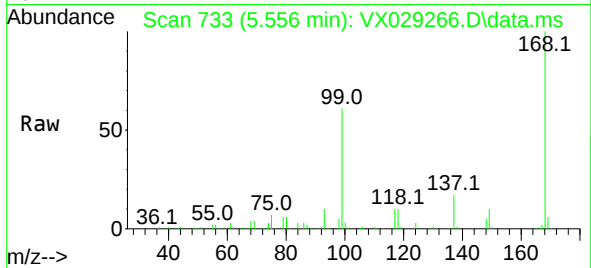




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

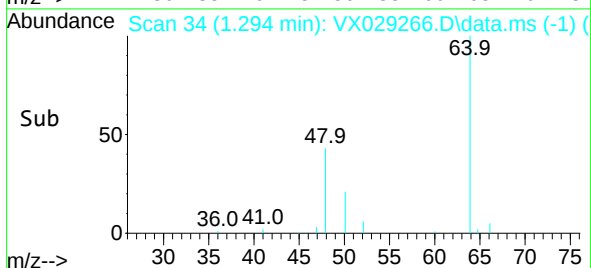
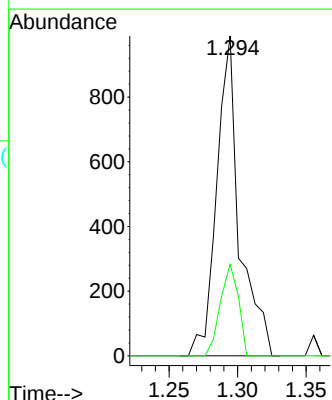
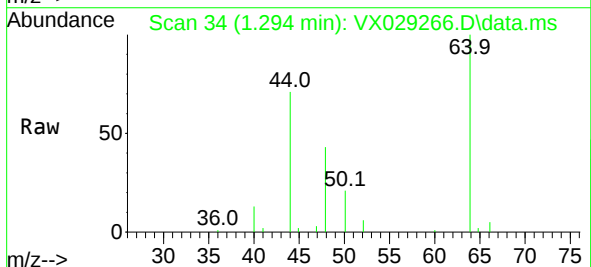
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

Tgt Ion:168 Resp: 308415
Ion Ratio Lower Upper
168 100
99 61.0 41.7 62.5



#3
Chloromethane
Concen: 0.406 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 50 Resp: 1140
Ion Ratio Lower Upper
50 100
52 28.6 26.4 39.6

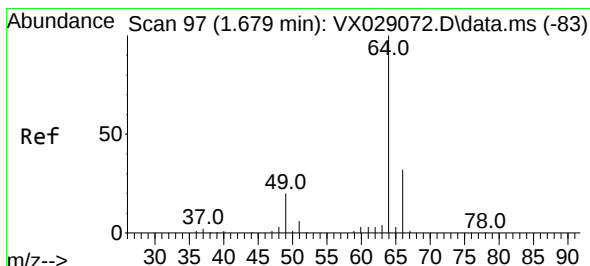
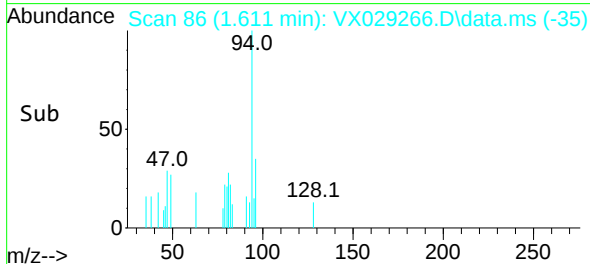
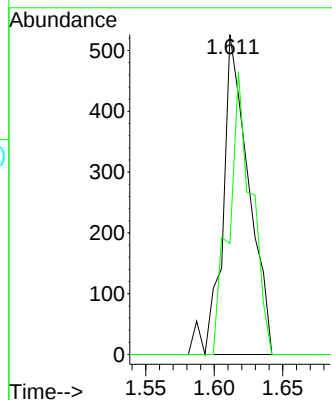
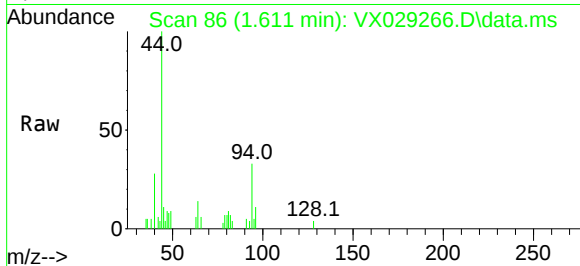




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

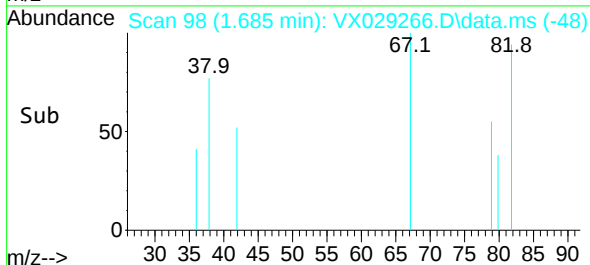
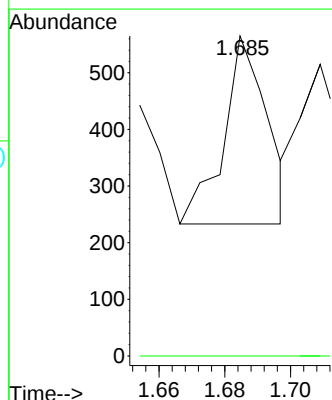
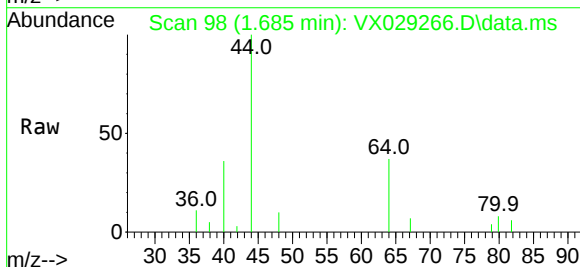
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

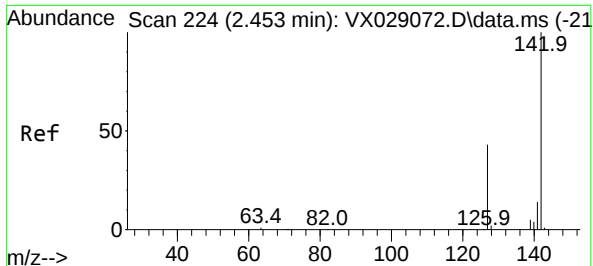
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 34.8 75.3 112.9#



#6
Chloroethane
Concen: 1.515 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

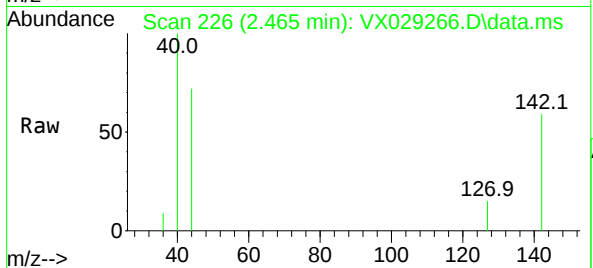
Tgt Ion: 64 Resp: 307
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



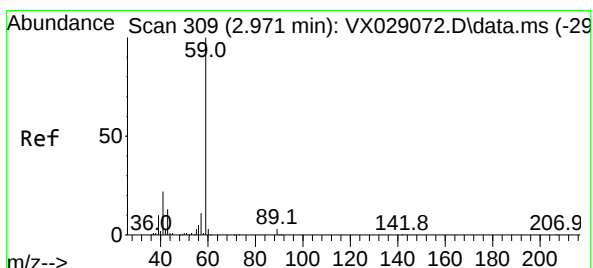
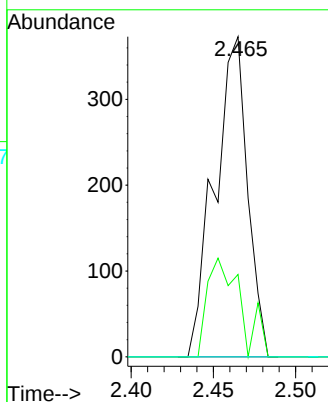
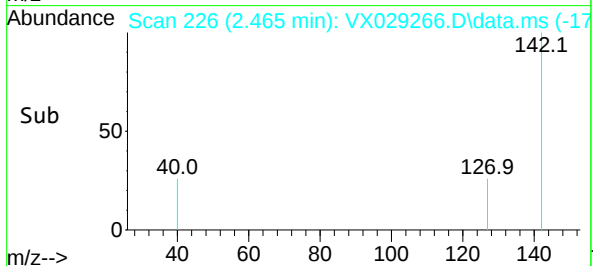


#10
Methyl Iodide
Concen: 4.364 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

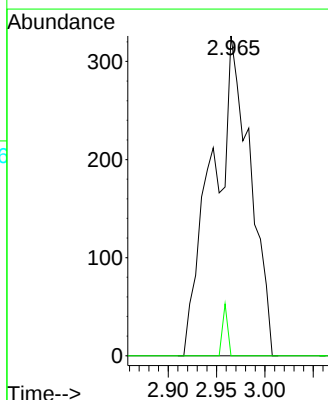
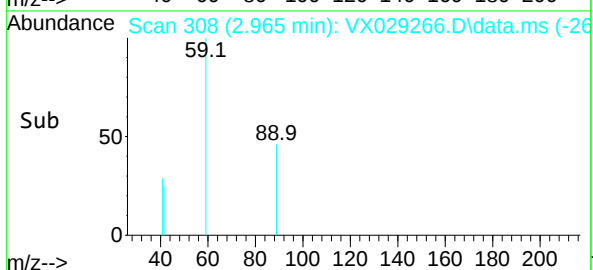
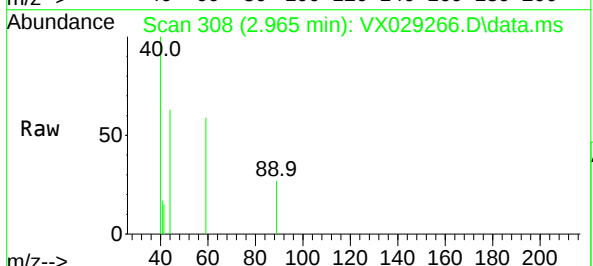


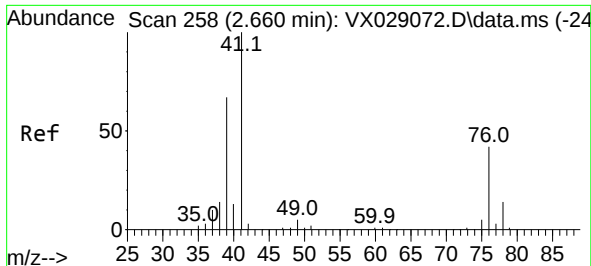
Tgt Ion:142 Resp: 520
Ion Ratio Lower Upper
142 100
127 31.3 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.098 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 59 Resp: 885
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#

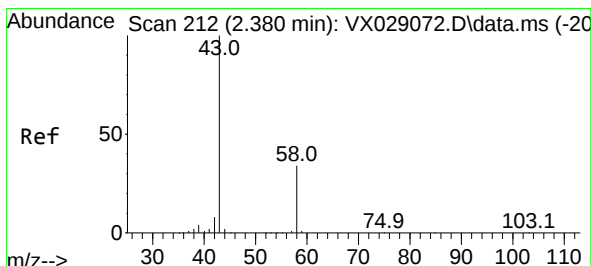
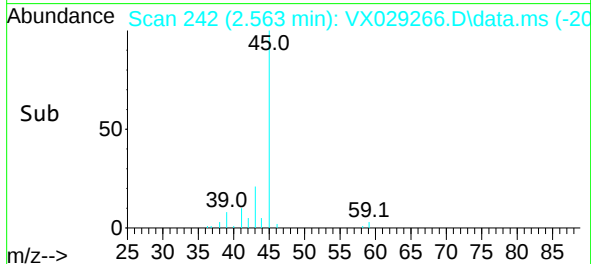
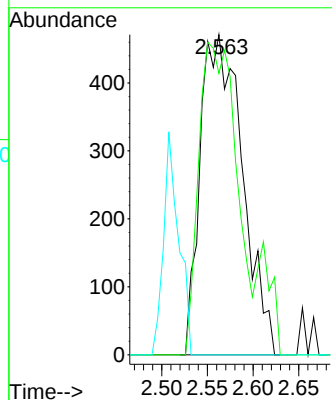
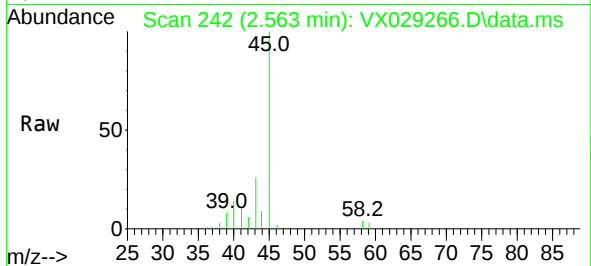




#14
 Allyl chloride
 Concen: 0.362 ug/l
 RT: 2.563 min Scan# 24
 Delta R.T. -0.097 min
 Lab File: VX029266.D
 Acq: 07 Jun 2022 03:12

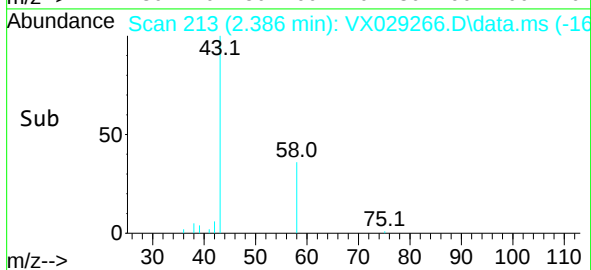
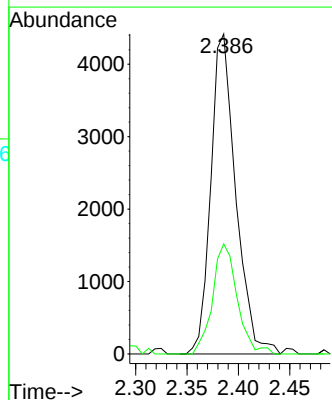
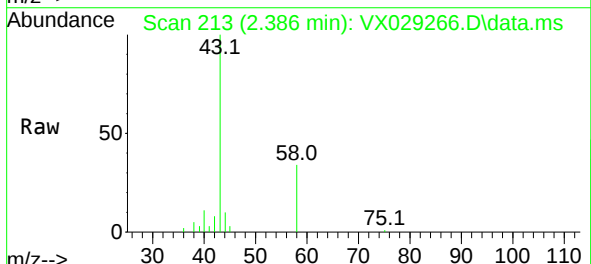
Instrument :
 MSVOA_X
 ClientSampleId :
 55BR-20220601

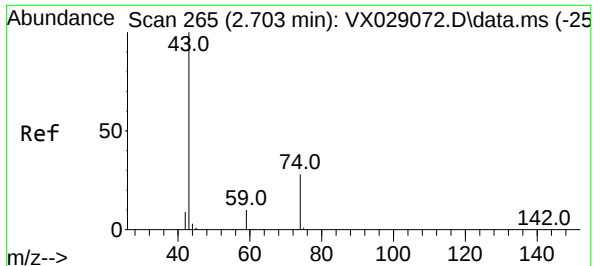
Tgt Ion: 41 Resp: 1510
 Ion Ratio Lower Upper
 41 100
 39 87.0 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 5.445 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX029266.D
 Acq: 07 Jun 2022 03:12

Tgt Ion: 43 Resp: 7457
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.8 43.2





#18

Methyl Acetate

Concen: 0.239 ug/l

RT: 2.703 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029266.D

Acq: 07 Jun 2022 03:12

Instrument :

MSVOA_X

ClientSampleId :

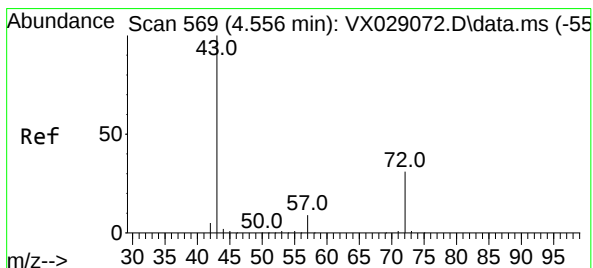
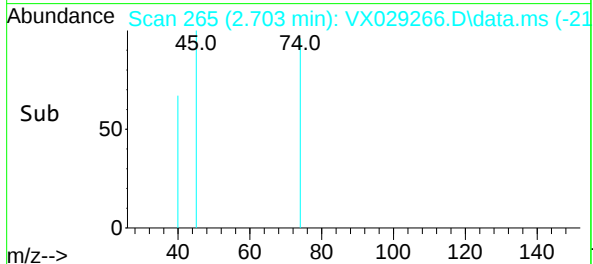
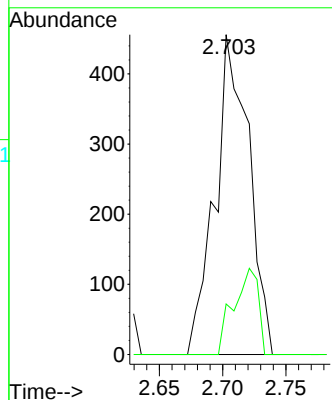
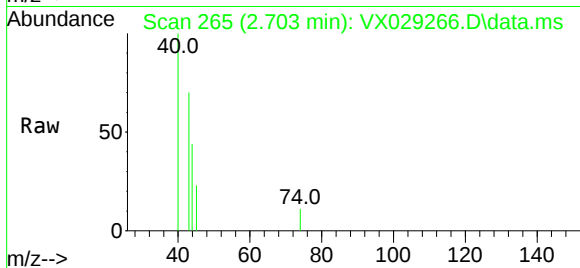
55BR-20220601

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

74 19.6 22.8 34.2#



#25

2-Butanone

Concen: 89.551 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.159 min

Lab File: VX029266.D

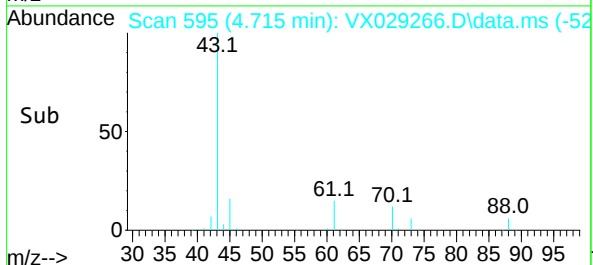
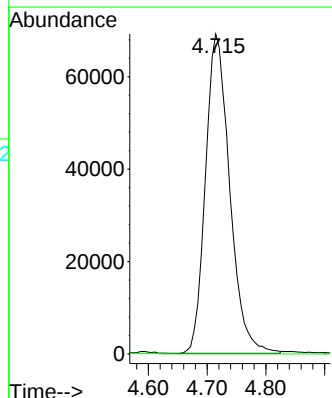
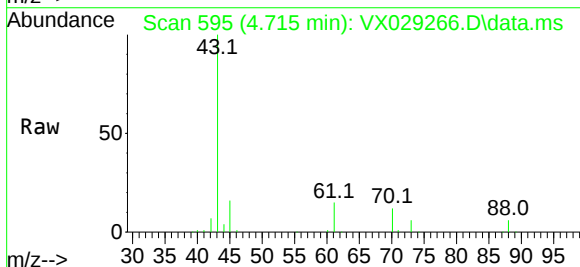
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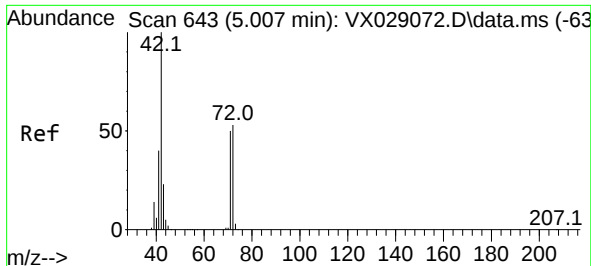
Tgt Ion: 43 Resp: 197829

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 1.136 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX029266.D

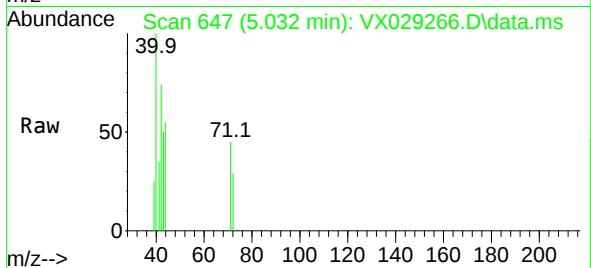
Acq: 07 Jun 2022 03:12

Instrument :

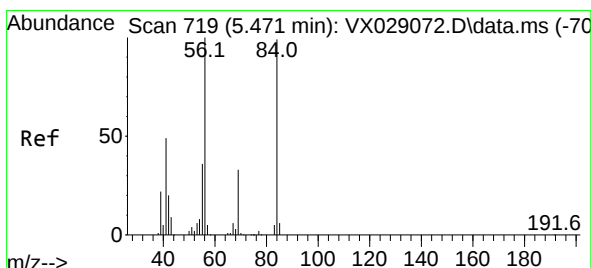
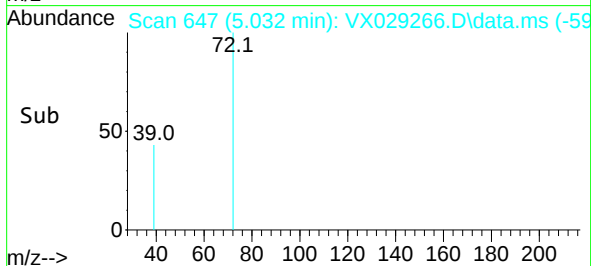
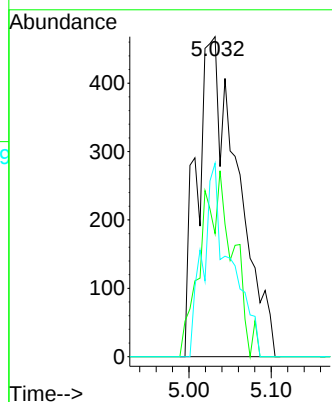
MSVOA_X

ClientSampleId :

55BR-20220601



Tgt Ion:	42	Resp:	1609
Ion	Ratio	Lower	Upper
42	100		
72	22.4	44.1	66.1#
71	40.6	40.5	60.7



#31

Cyclohexane

Concen: 1.423 ug/l

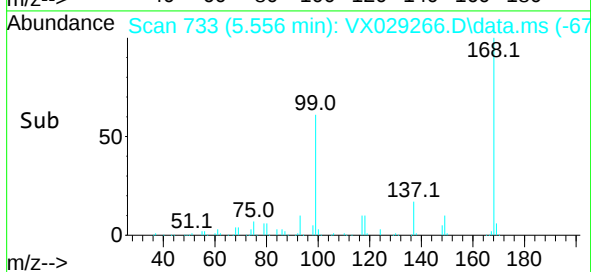
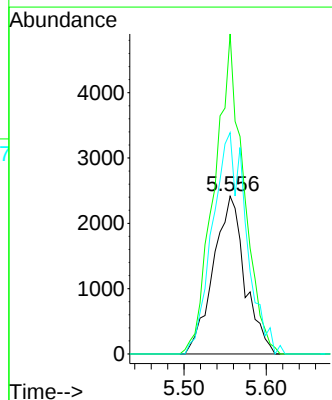
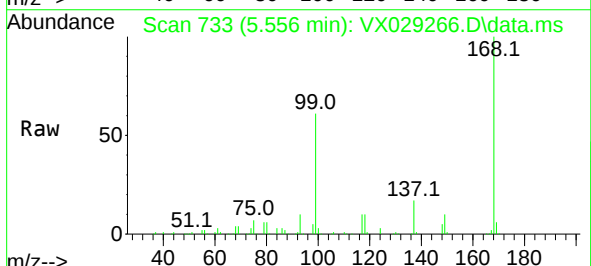
RT: 5.556 min Scan# 733

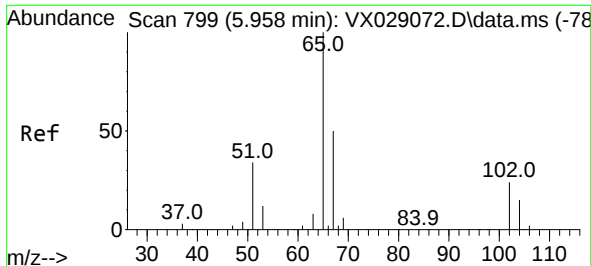
Delta R.T. 0.085 min

Lab File: VX029266.D

Acq: 07 Jun 2022 03:12

Tgt Ion:	56	Resp:	6434
Ion	Ratio	Lower	Upper
56	100		
69	202.9	26.7	40.1#
84	140.2	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 62.679 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029266.D

Acq: 07 Jun 2022 03:12

Instrument :

MSVOA_X

ClientSampleId :

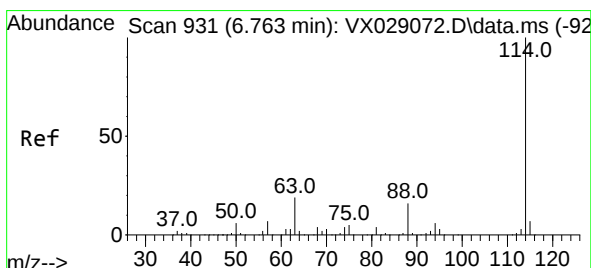
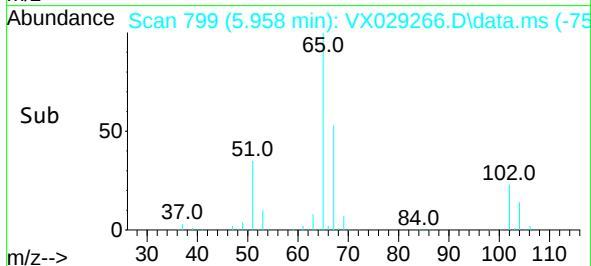
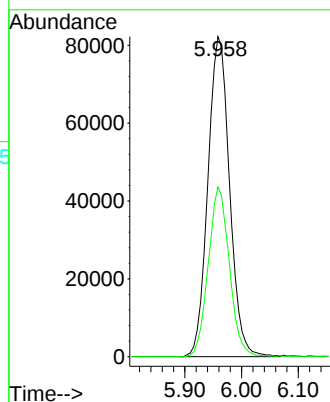
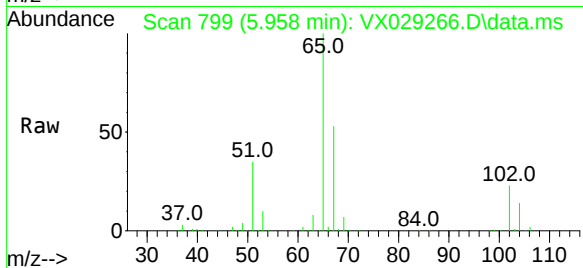
55BR-20220601

Tgt Ion: 65 Resp: 217985

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029266.D

Acq: 07 Jun 2022 03:12

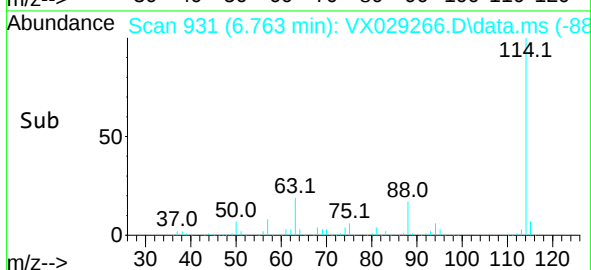
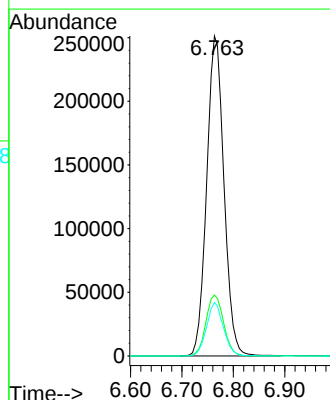
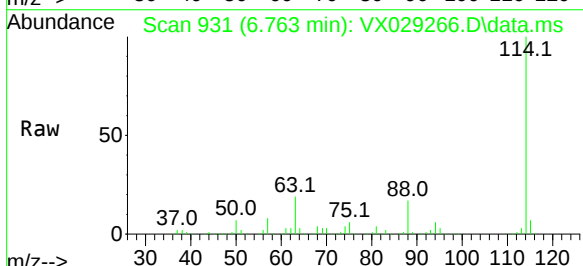
Tgt Ion: 114 Resp: 586265

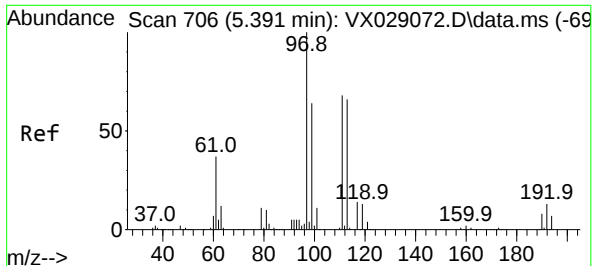
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 16.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.871 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029266.D

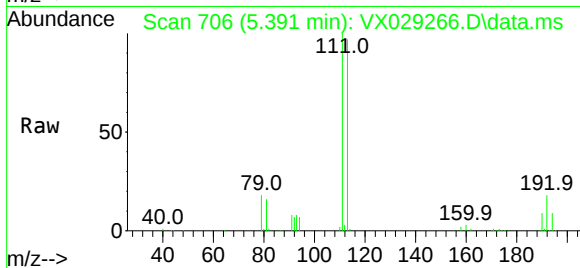
Acq: 07 Jun 2022 03:12

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55BR-20220601



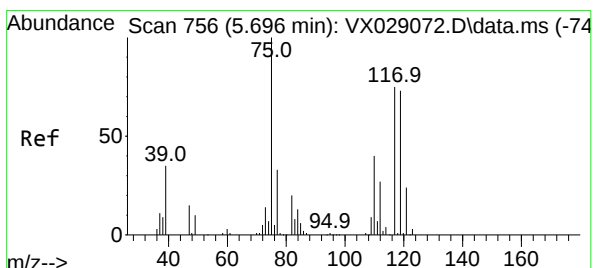
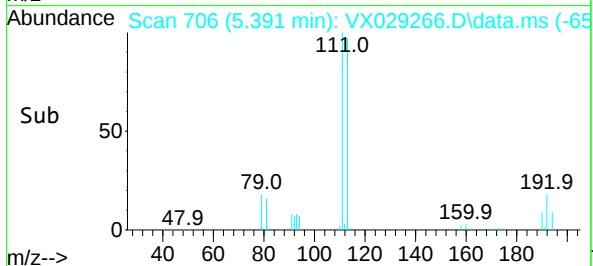
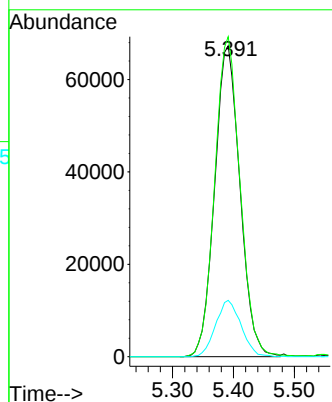
Tgt Ion:113 Resp: 194202

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029266.D

Acq: 07 Jun 2022 03:12

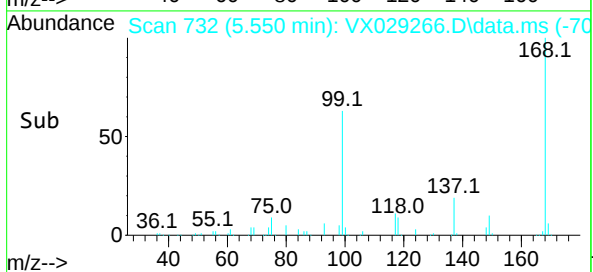
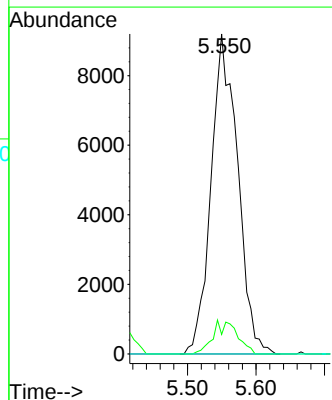
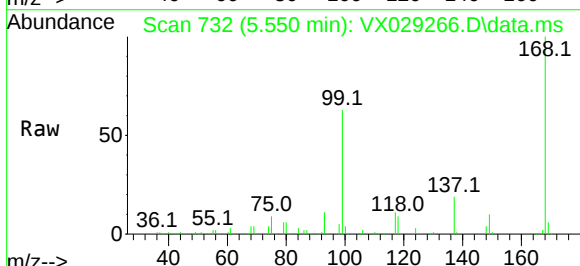
Tgt Ion: 75 Resp: 24766

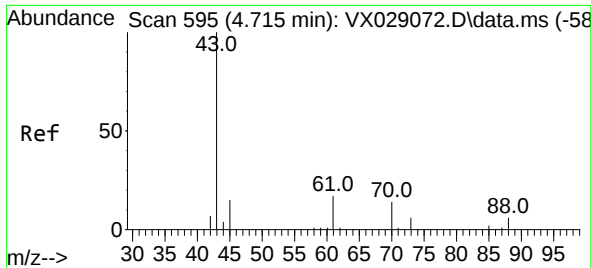
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#

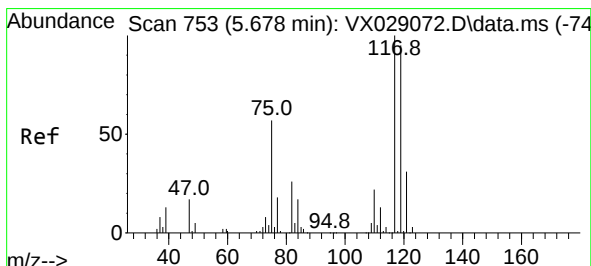
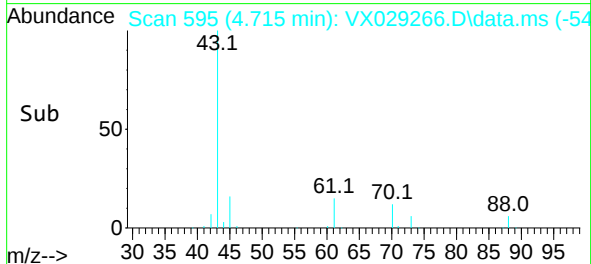
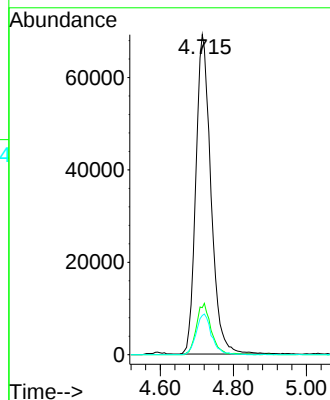
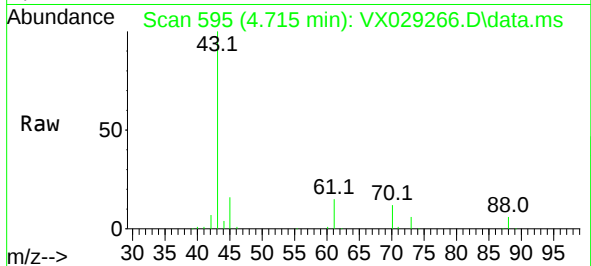




#37
Ethyl Acetate
Concen: 41.015 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

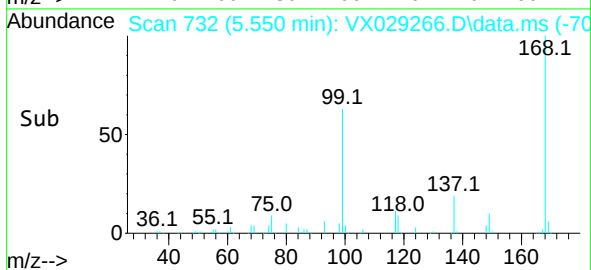
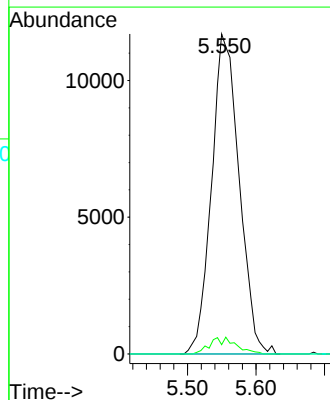
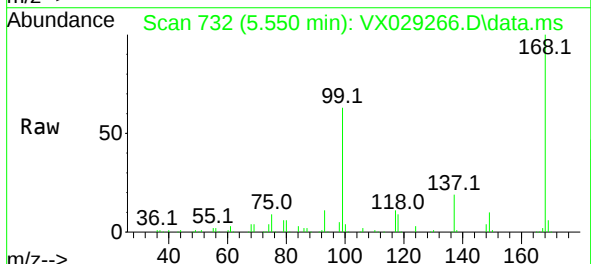
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

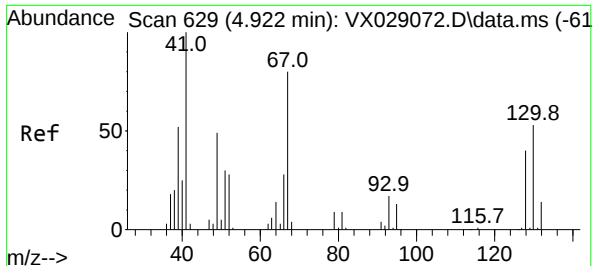
Tgt Ion: 43 Resp: 199170
Ion Ratio Lower Upper
43 100
61 15.5 12.6 19.0
70 12.9 10.2 15.2



#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 117 Resp: 32677
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 24.2 36.2#

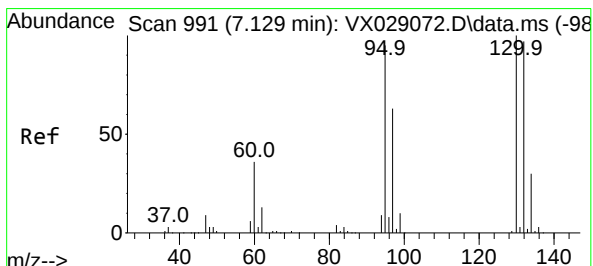
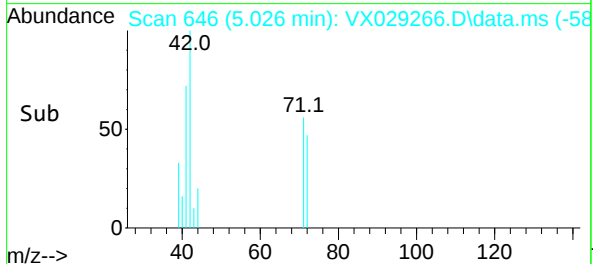
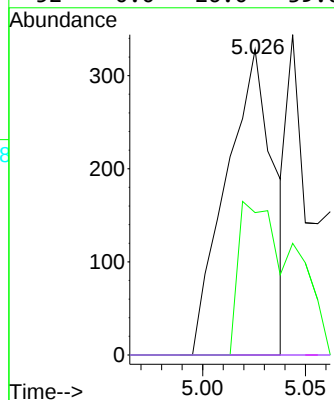
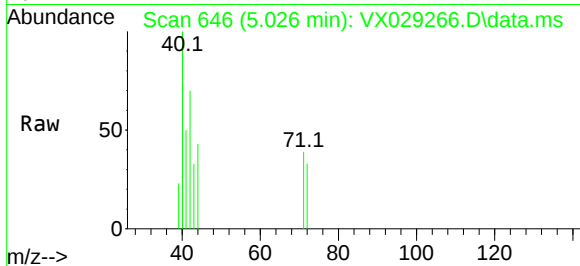




#41
Methacrylonitrile
Concen: 0.200 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

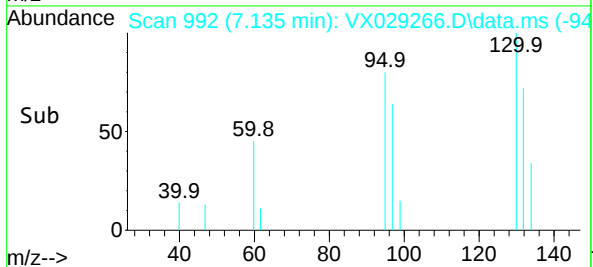
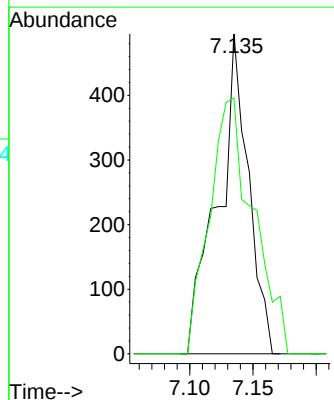
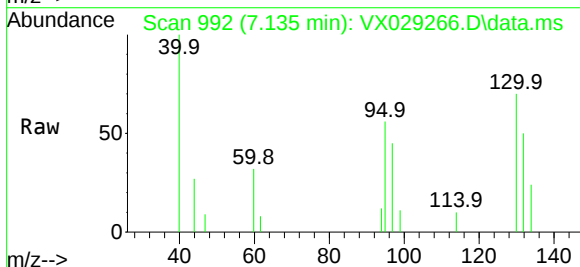
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

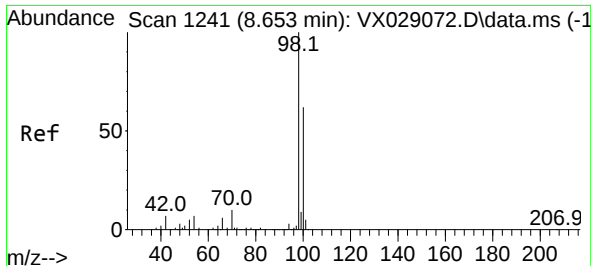
Tgt Ion: 41	Resp:	525
Ion	Ratio	Lower Upper
41	100	
39	58.3	43.0 64.4
67	0.0	70.2 105.4#
52	0.0	26.0 39.0#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 130	Resp:	833
Ion	Ratio	Lower Upper
130	100	
95	80.0	0.0 188.8

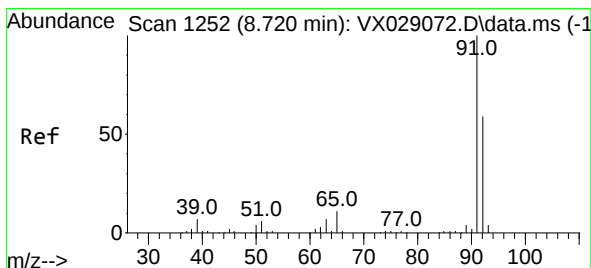
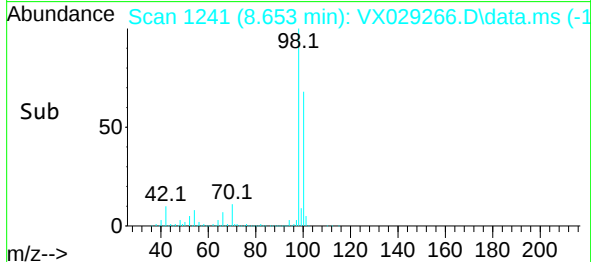
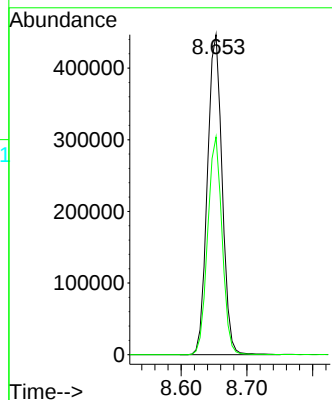
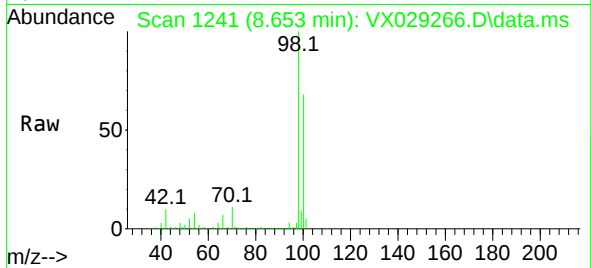




#50
Toluene-d8
Concen: 48.878 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

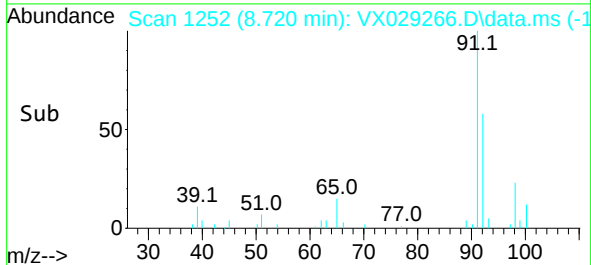
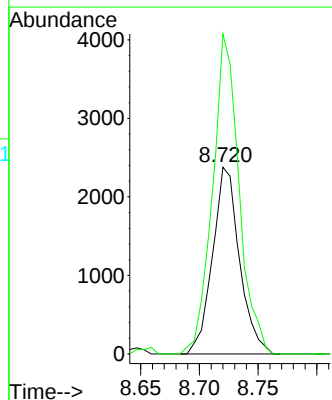
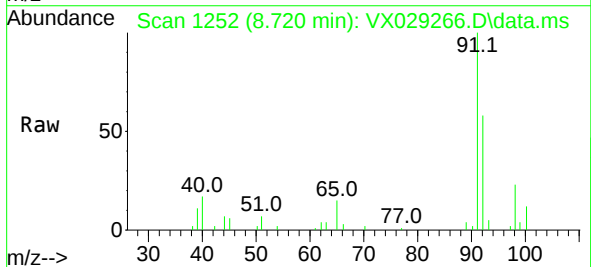
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

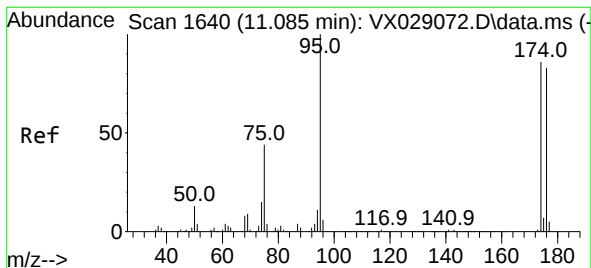
Tgt Ion: 98 Resp: 696139
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#52
Toluene
Concen: 0.383 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 92 Resp: 3796
Ion Ratio Lower Upper
92 100
91 168.5 137.5 206.3

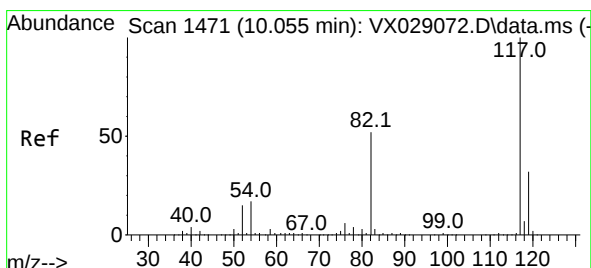
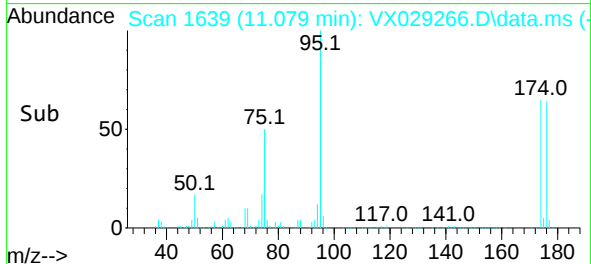
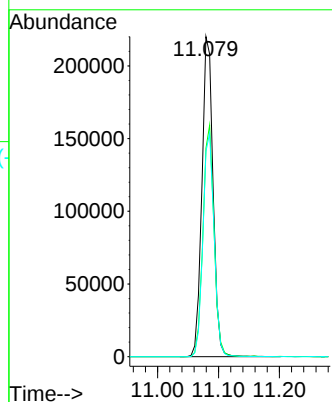
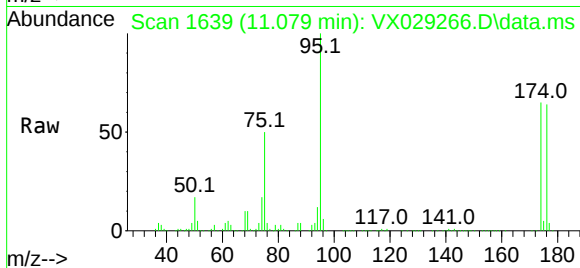




#62
4-Bromofluorobenzene
Concen: 50.731 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

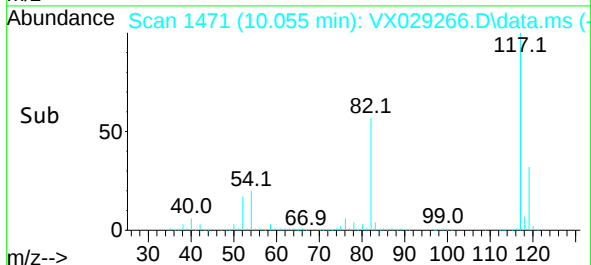
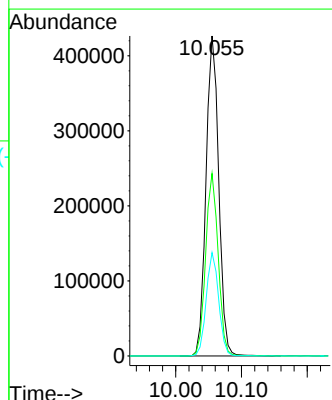
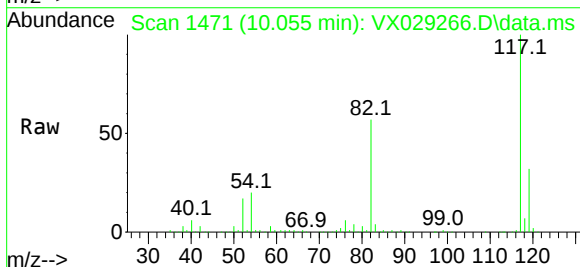
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

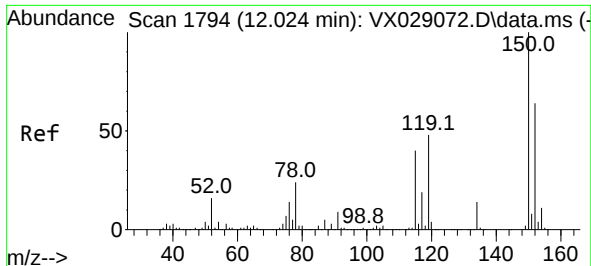
Tgt Ion: 95 Resp: 279295
Ion Ratio Lower Upper
95 100
174 71.7 0.0 163.0
176 69.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 117 Resp: 572915
Ion Ratio Lower Upper
117 100
82 57.1 41.8 62.8
119 32.3 24.8 37.2

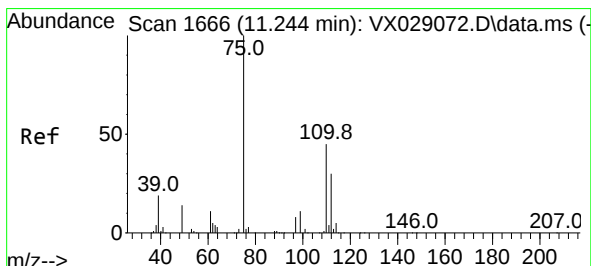
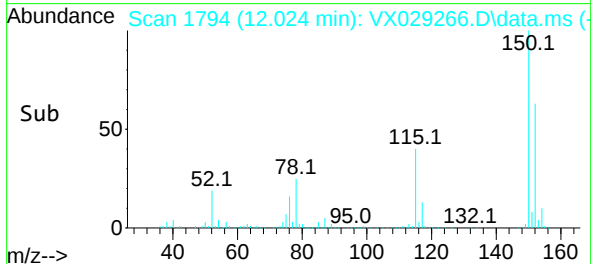
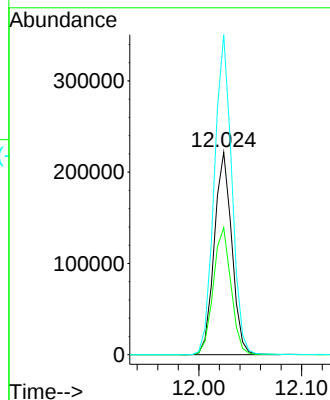
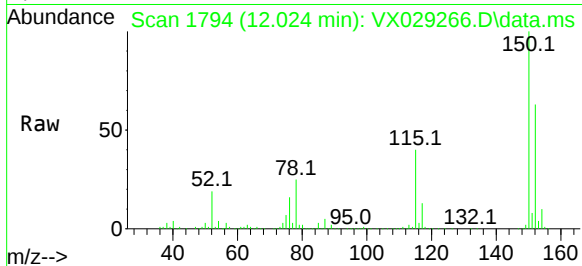




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

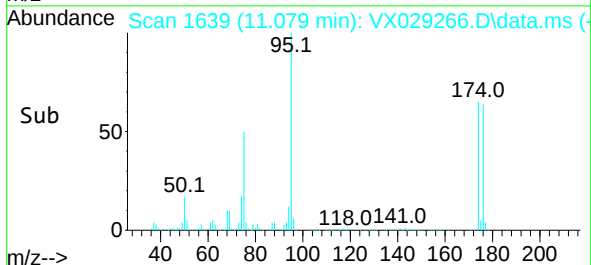
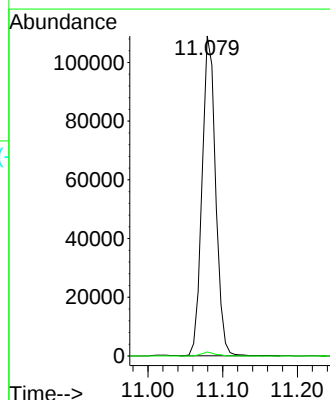
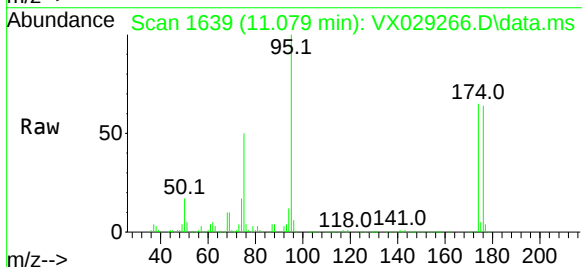
Instrument :
MSVOA_X
ClientSampleId :
55BR-20220601

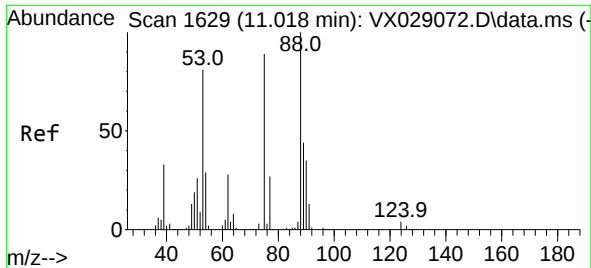
Tgt Ion:152 Resp: 261865
Ion Ratio Lower Upper
152 100
115 63.7 37.5 112.7
150 158.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.895 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029266.D
Acq: 07 Jun 2022 03:12

Tgt Ion: 75 Resp: 137463
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.971 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029266.D
 Acq: 07 Jun 2022 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 55BR-20220601

Tgt Ion: 75 Resp: 137463
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

