

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029188.D
 Acq On : 03 Jun 2022 14:29
 Operator : JC/MD
 Sample : N3164-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20220531

Quant Time: Jun 06 02:35:00 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)

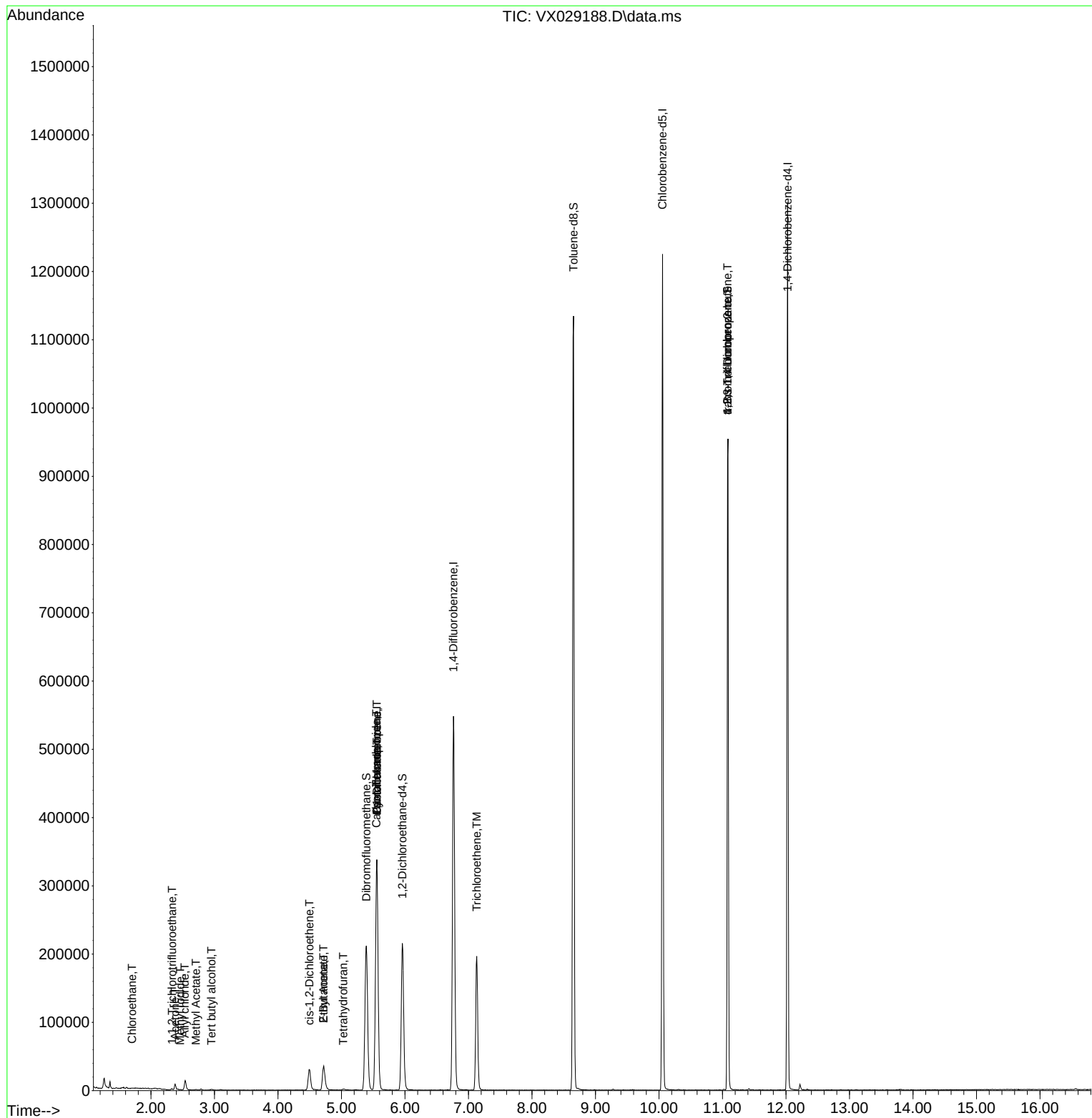
Internal Standards						
1) Pentafluorobenzene	5.556	168	320534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	587226	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	577577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206886	57.238	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 114.480%	
35) Dibromofluoromethane	5.391	113	194816	49.947	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.900%	
50) Toluene-d8	8.653	98	700330	49.092	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	11.079	95	277287	50.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	758	Below Cal		89
6) Chloroethane	1.703	64	510	1.581 ug/l	#	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	796	0.269 ug/l		95
10) Methyl Iodide	2.459	142	851	4.442 ug/l	#	83
11) Tert butyl alcohol	2.953	59	1223	1.461 ug/l	#	72
14) Allyl chloride	2.532	41	1470	0.339 ug/l	#	52
16) Acetone	2.380	43	8564	6.017 ug/l		99
18) Methyl Acetate	2.709	43	1023	0.278 ug/l	#	89
25) 2-Butanone	4.715	43	61288	26.694 ug/l	#	44
27) cis-1,2-Dichloroethene	4.495	96	20716	5.330 ug/l		85
29) Tetrahydrofuran	5.026	42	1357	0.922 ug/l	#	69
31) Cyclohexane	5.556	56	5598	1.191 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	23606	4.704 ug/l	#	50
37) Ethyl Acetate	4.715	43	61698	12.685 ug/l		99
38) Carbon Tetrachloride	5.550	117	34048	5.936 ug/l	#	17
44) Trichloroethene	7.129	130	80431	17.800 ug/l		98
76) 1,2,3-Trichloropropane	11.079	75	132981	24.779 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	132981	72.696 ug/l	#	15

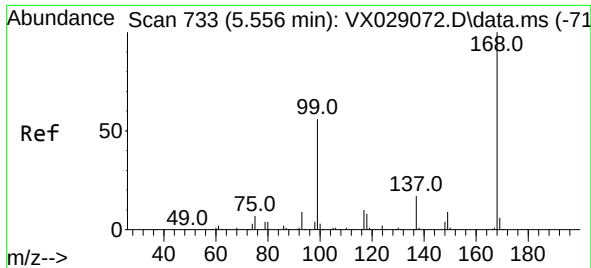
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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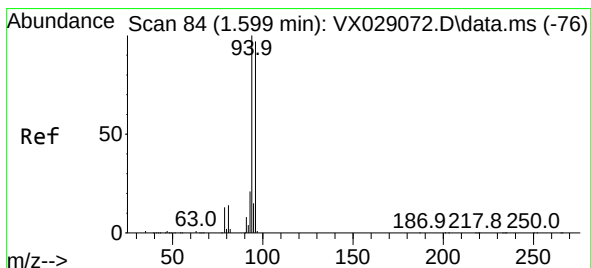
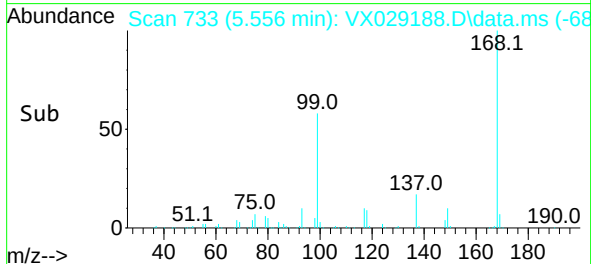
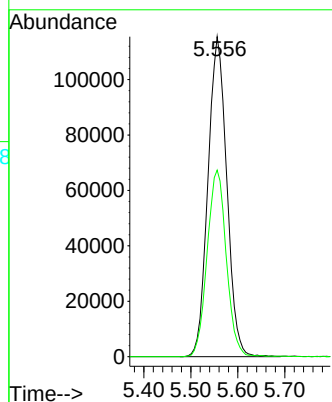
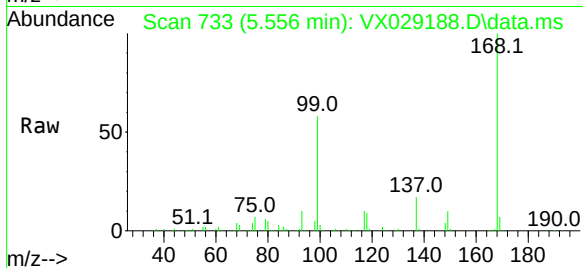




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

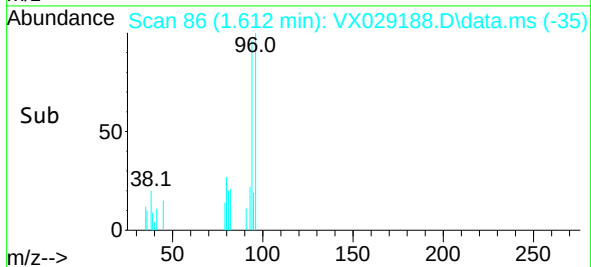
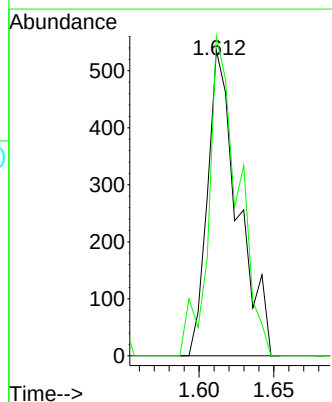
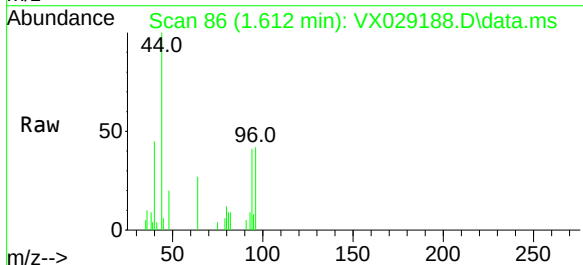
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

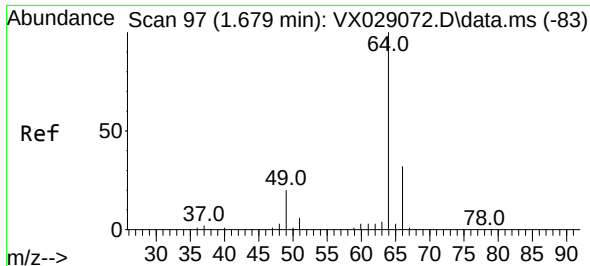
Tgt Ion:168 Resp: 320534
Ion Ratio Lower Upper
168 100
99 58.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 94 Resp: 758
Ion Ratio Lower Upper
94 100
96 104.7 75.3 112.9

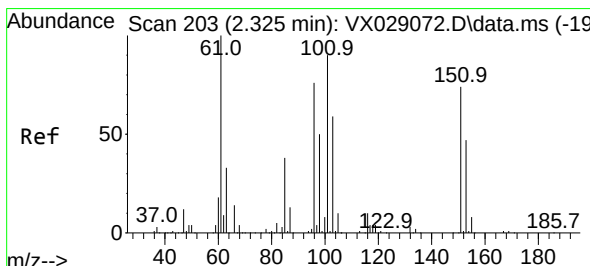
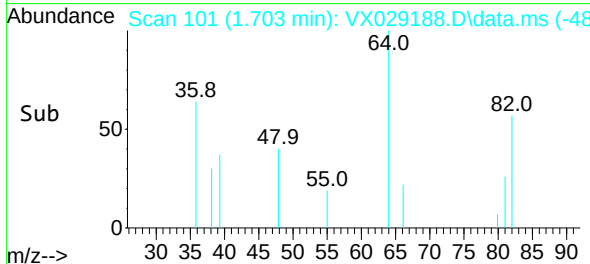
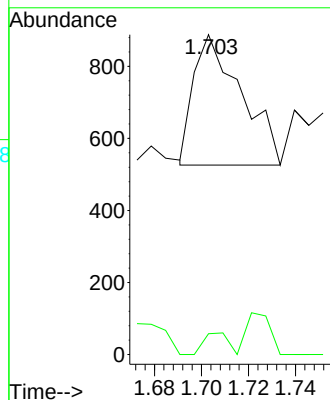
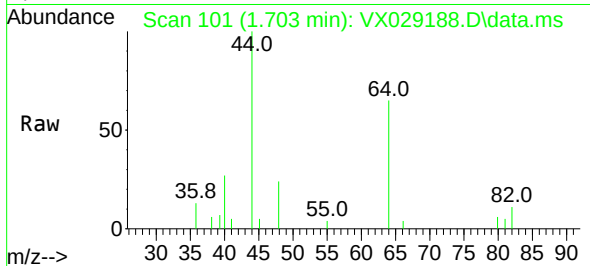




#6
Chloroethane
Concen: 1.581 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

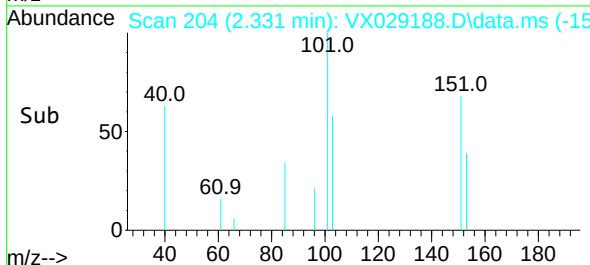
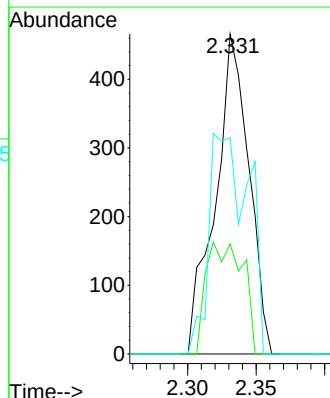
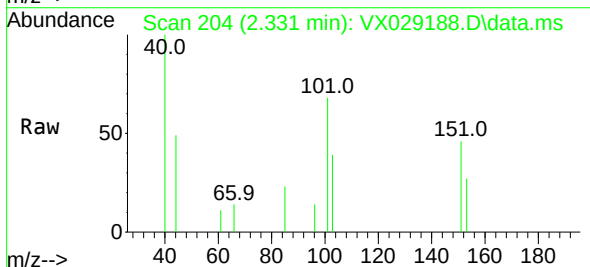
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

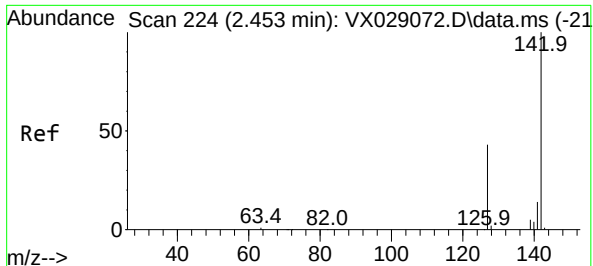
Tgt Ion: 64 Resp: 510
Ion Ratio Lower Upper
64 100
66 16.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.269 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

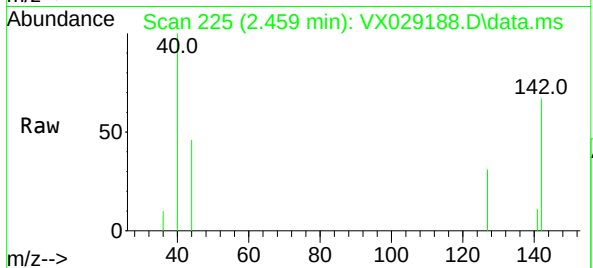
Tgt Ion: 101 Resp: 796
Ion Ratio Lower Upper
101 100
85 38.2 33.5 50.3
151 81.2 61.8 92.6



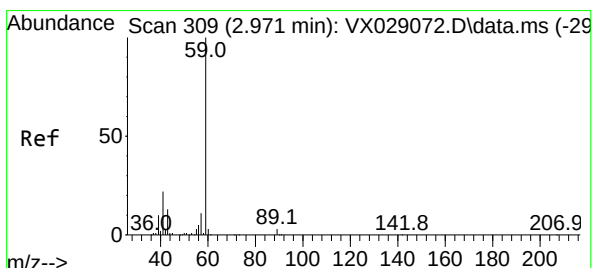
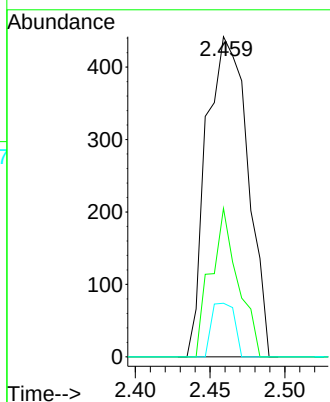
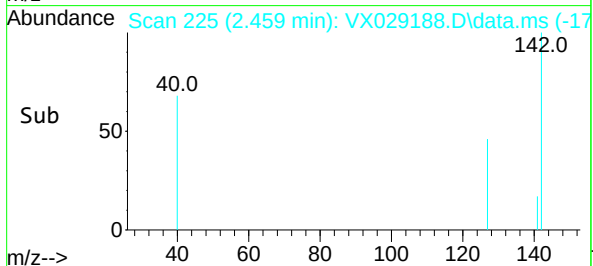


#10
Methyl Iodide
Concen: 4.442 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

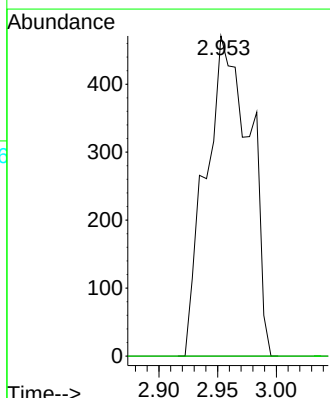
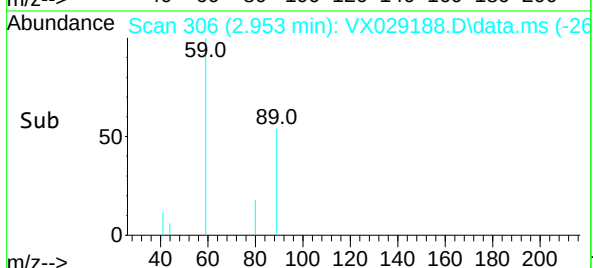
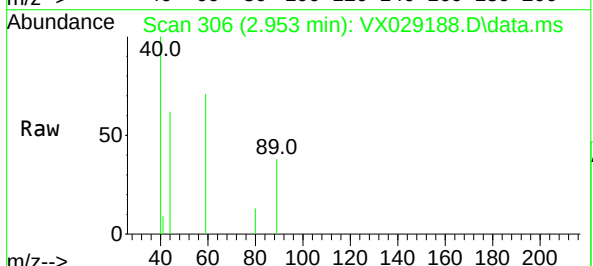


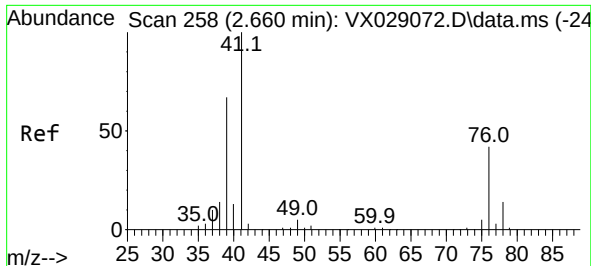
Tgt Ion:142 Resp: 851
Ion Ratio Lower Upper
142 100
127 30.6 33.9 50.9#
141 9.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.461 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 59 Resp: 1223
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

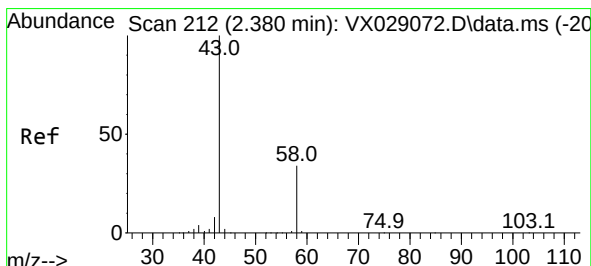
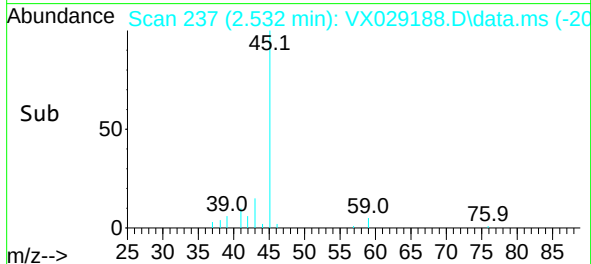
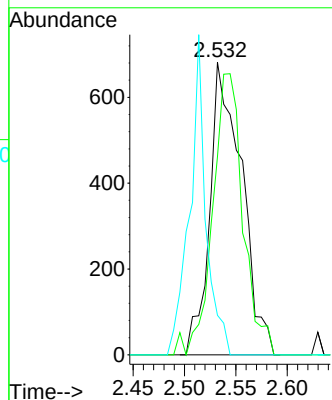
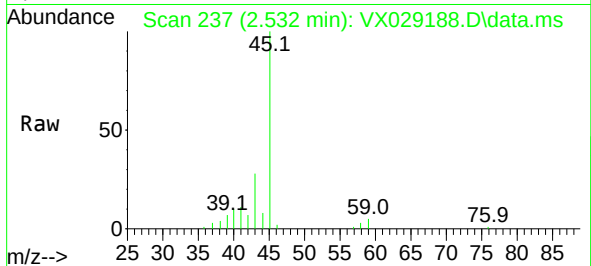




#14
 Allyl chloride
 Concen: 0.339 ug/l
 RT: 2.532 min Scan# 214
 Delta R.T. -0.128 min
 Lab File: VX029188.D
 Acq: 03 Jun 2022 14:29

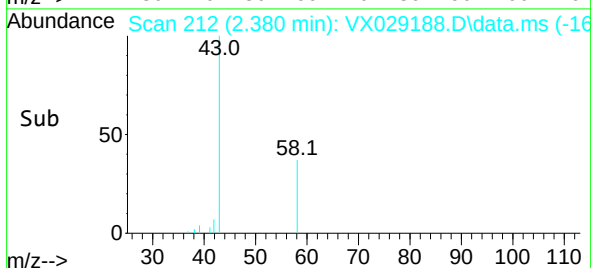
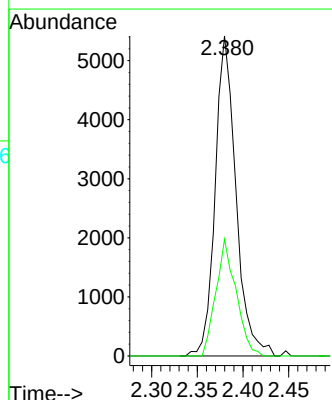
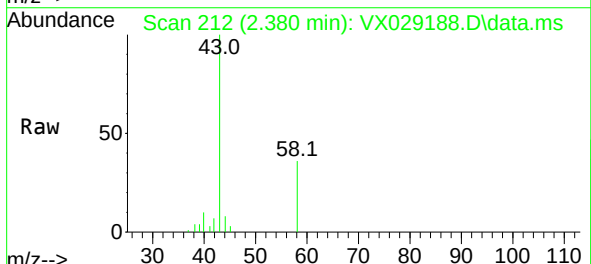
Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20220531

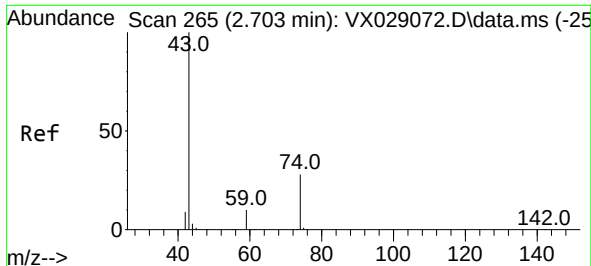
Tgt Ion: 41 Resp: 1470
 Ion Ratio Lower Upper
 41 100
 39 91.6 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 6.017 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX029188.D
 Acq: 03 Jun 2022 14:29

Tgt Ion: 43 Resp: 8564
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.8 43.2





#18

Methyl Acetate

Concen: 0.278 ug/l

RT: 2.709 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029188.D

Acq: 03 Jun 2022 14:29

Instrument :

MSVOA_X

ClientSampleId :

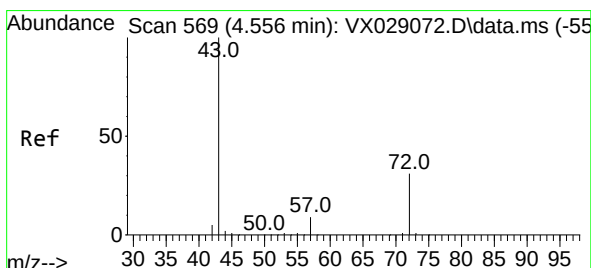
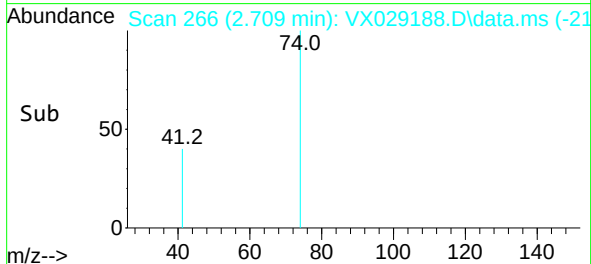
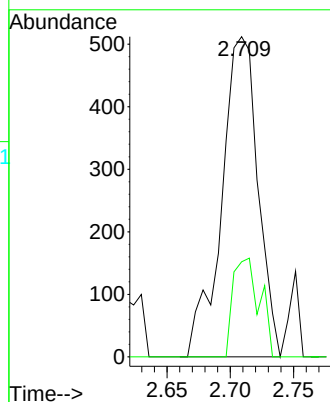
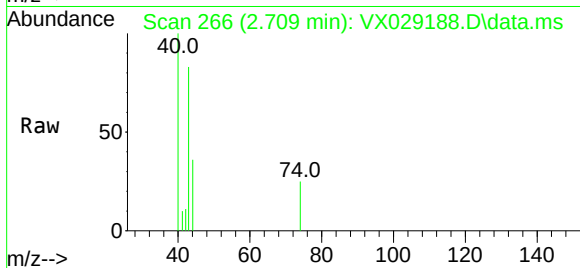
23BR-20220531

Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

74 22.5 22.8 34.2#



#25

2-Butanone

Concen: 26.694 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.159 min

Lab File: VX029188.D

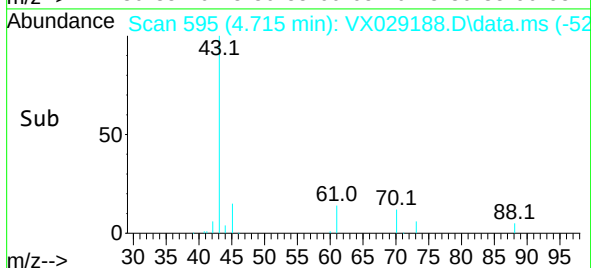
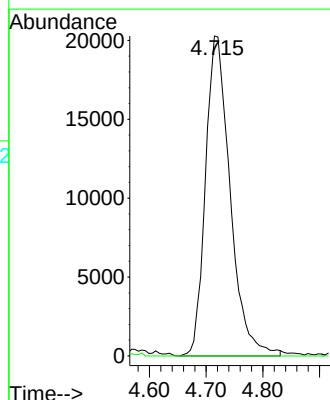
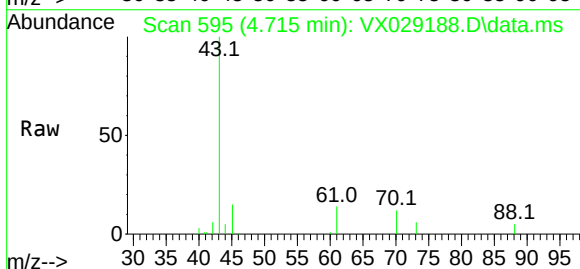
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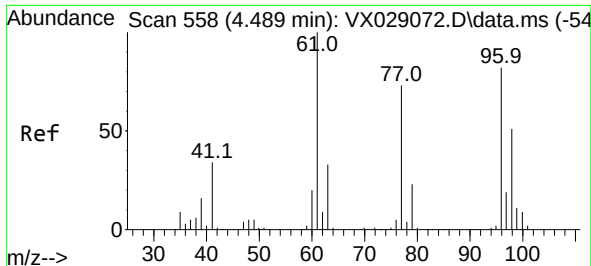
Tgt Ion: 43 Resp: 61288

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 5.330 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029188.D

Acq: 03 Jun 2022 14:29

Instrument :

MSVOA_X

ClientSampleId :

23BR-20220531

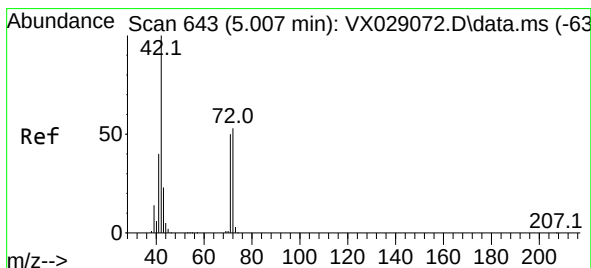
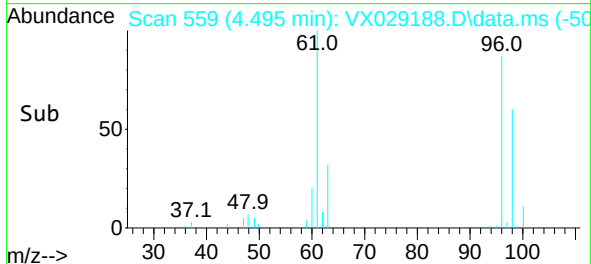
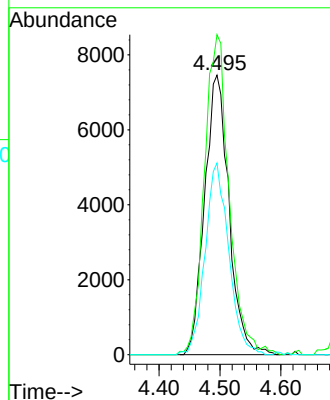
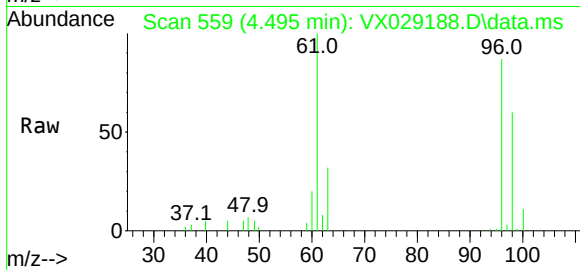
Tgt Ion: 96 Resp: 20716

Ion Ratio Lower Upper

96 100

61 116.5 0.0 283.8

98 66.7 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.922 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX029188.D

Acq: 03 Jun 2022 14:29

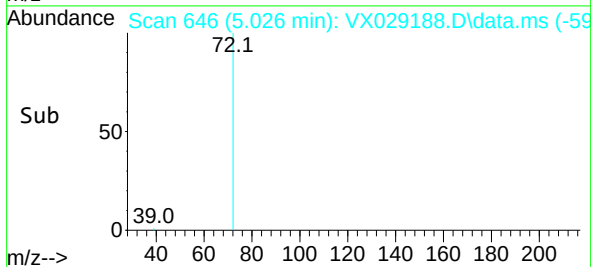
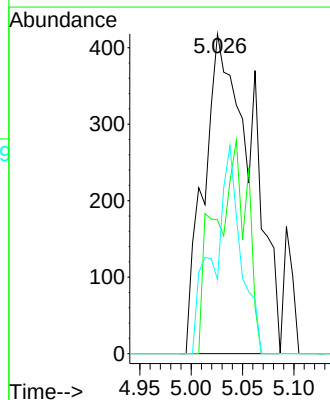
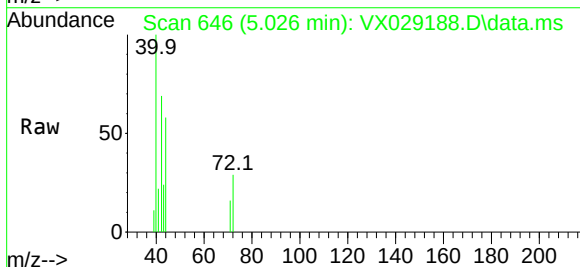
Tgt Ion: 42 Resp: 1357

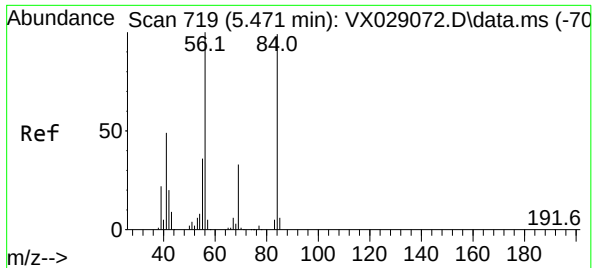
Ion Ratio Lower Upper

42 100

72 25.8 44.1 66.1#

71 37.0 40.5 60.7#

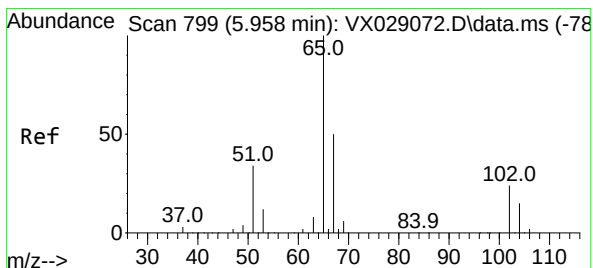
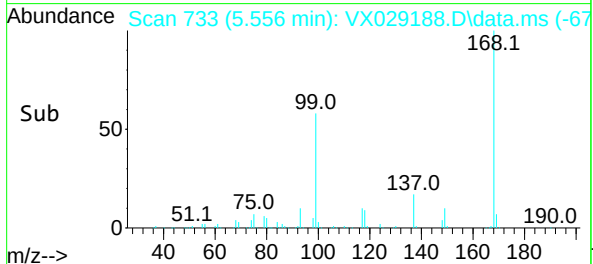
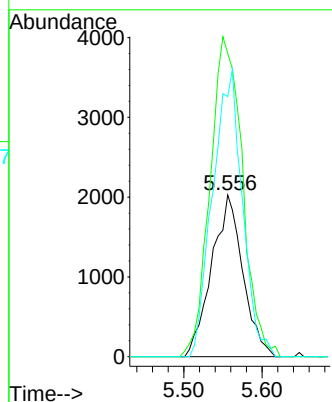
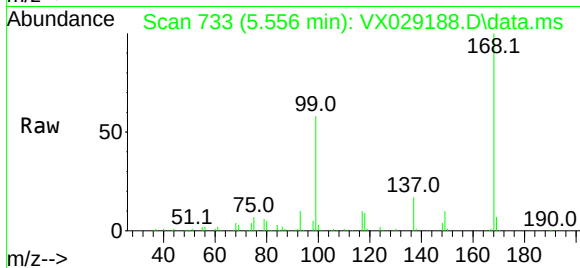




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

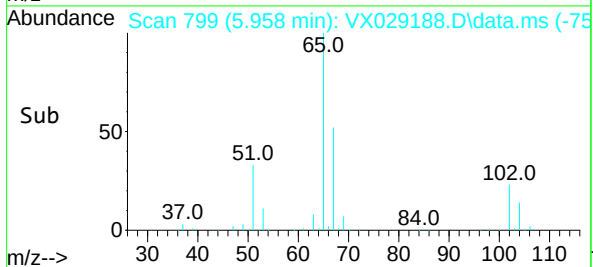
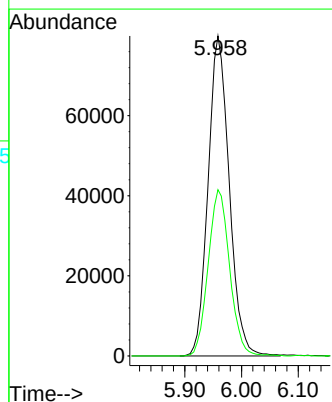
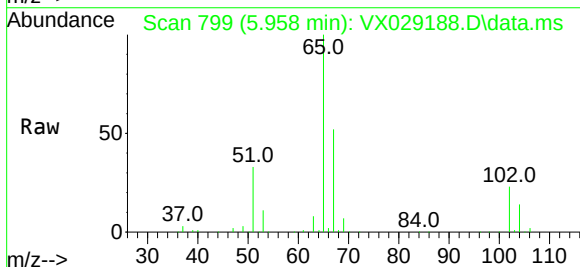
Instrument :
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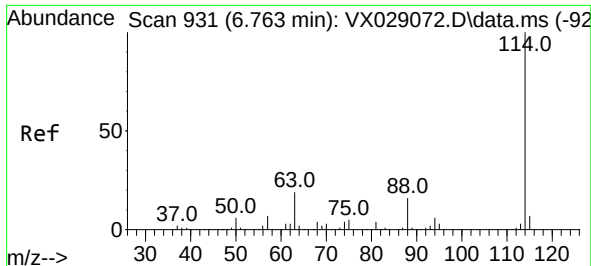
Tgt Ion: 56 Resp: 5598
Ion Ratio Lower Upper
56 100
69 187.5 26.7 40.1#
84 160.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.238 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 65 Resp: 206886
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

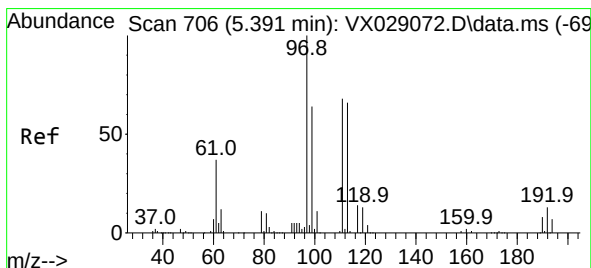
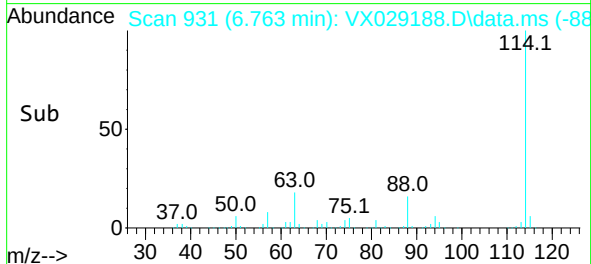
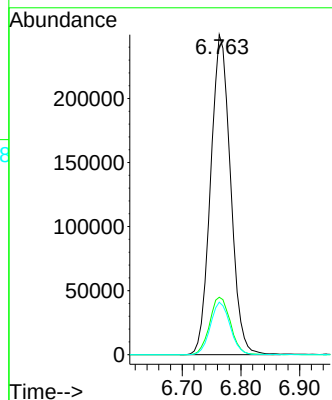
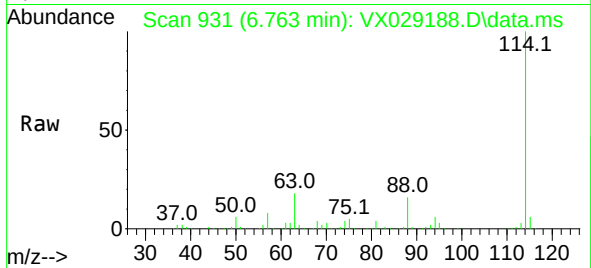




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

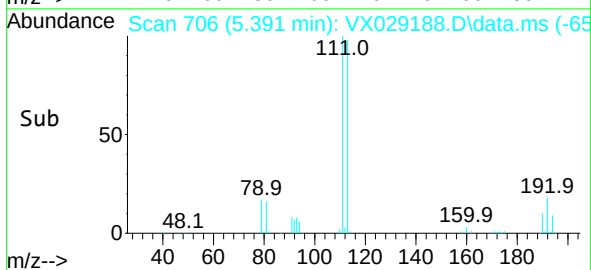
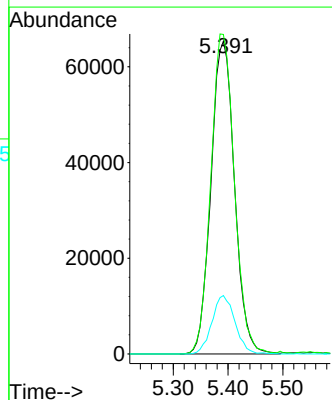
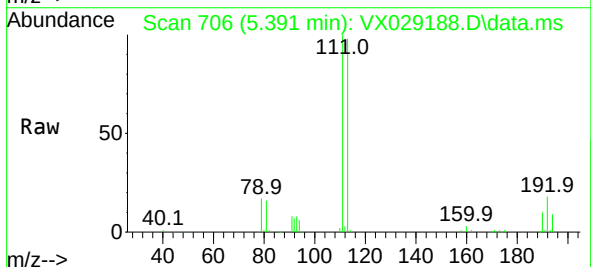
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

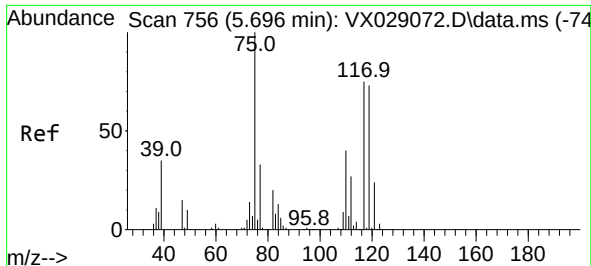
Tgt Ion:114 Resp: 587226
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.947 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion:113 Resp: 194816
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 18.3 16.9 25.3

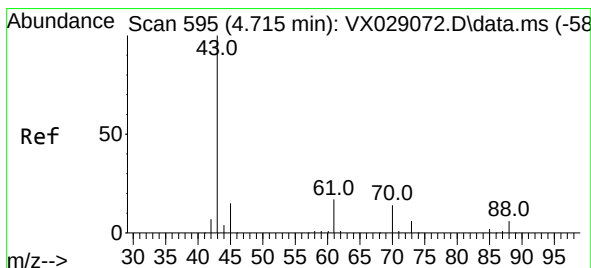
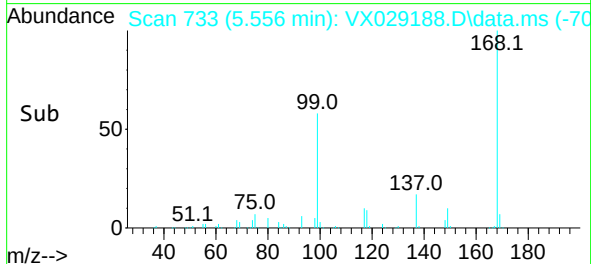
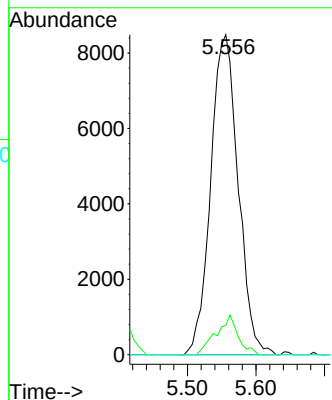
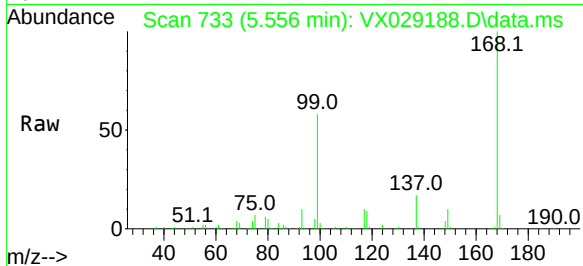




#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

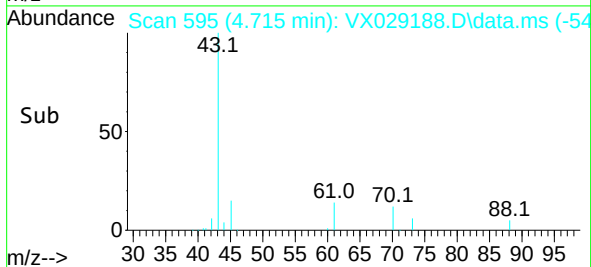
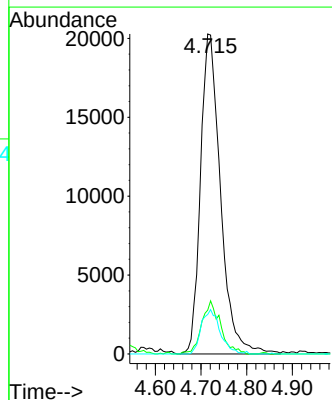
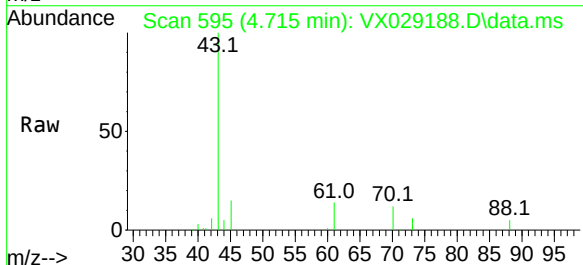
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

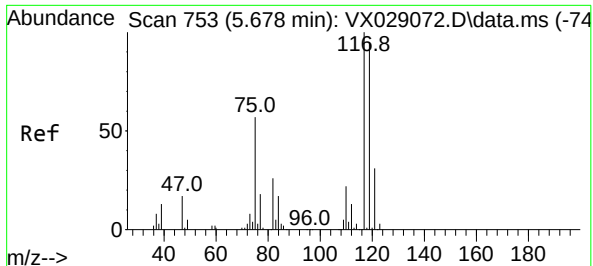
Tgt Ion: 75 Resp: 23606
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 12.685 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 43 Resp: 61698
Ion Ratio Lower Upper
43 100
61 15.7 12.6 19.0
70 13.1 10.2 15.2

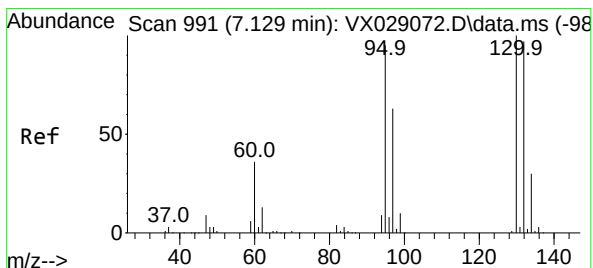
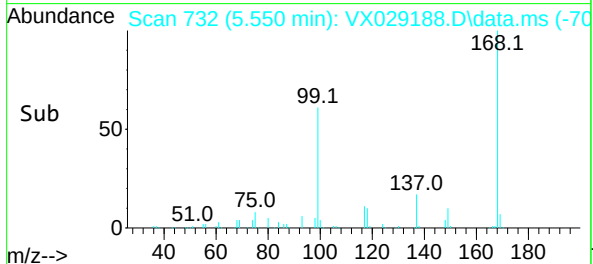
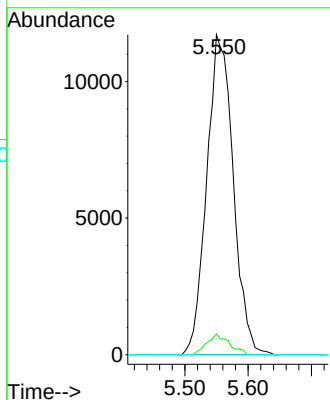
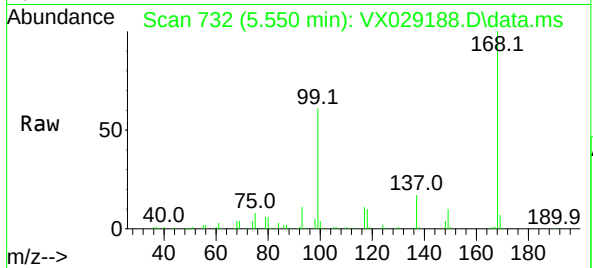




#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

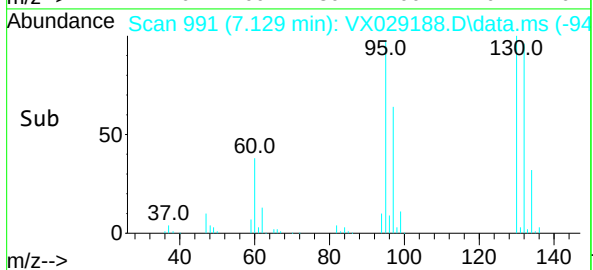
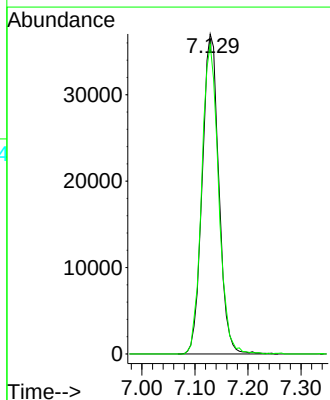
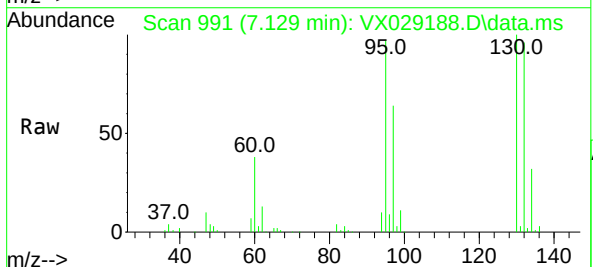
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

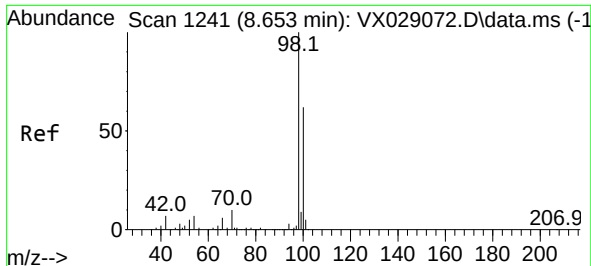
Tgt Ion:117 Resp: 34048
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 17.800 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion:130 Resp: 80431
Ion Ratio Lower Upper
130 100
95 96.7 0.0 188.8

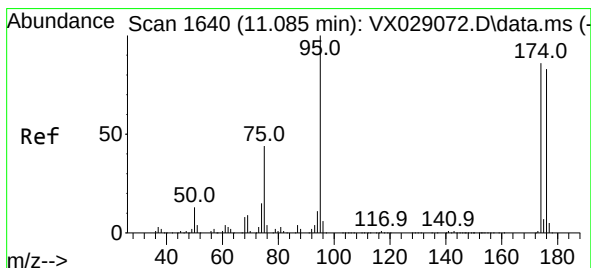
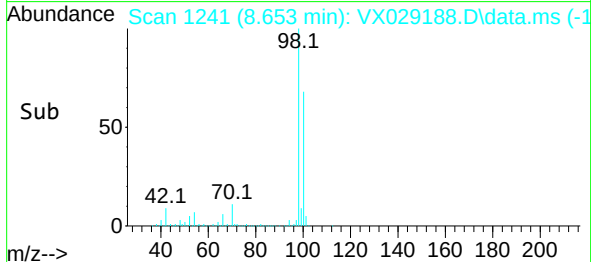
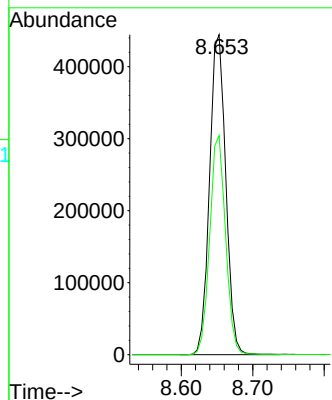
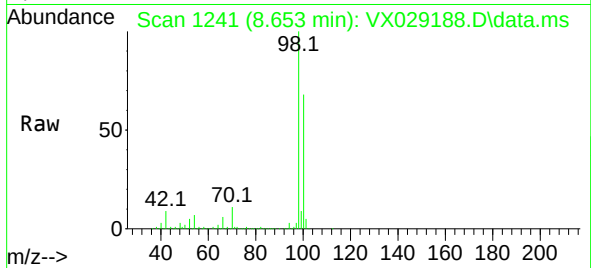




#50
Toluene-d8
Concen: 49.092 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

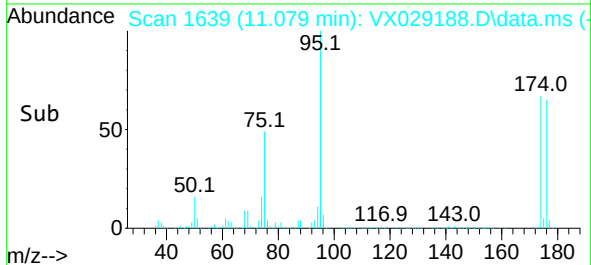
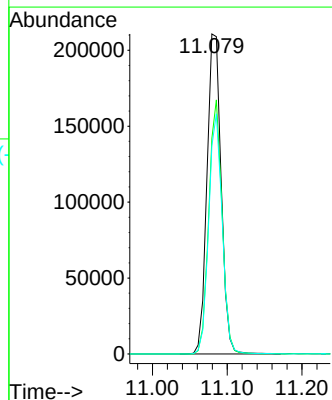
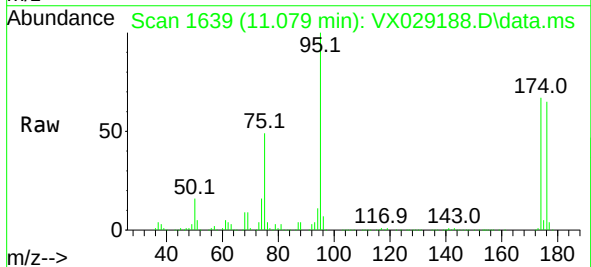
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

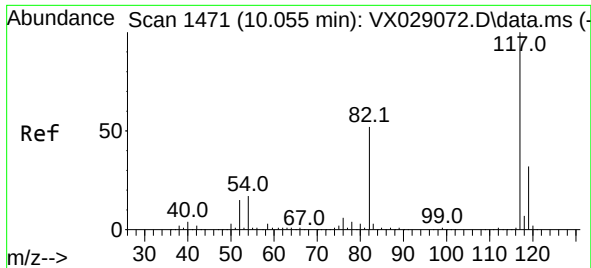
Tgt Ion: 98 Resp: 700330
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 95 Resp: 277287
Ion Ratio Lower Upper
95 100
174 74.5 0.0 163.0
176 71.6 0.0 155.0

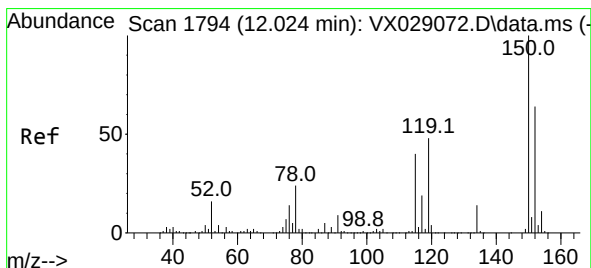
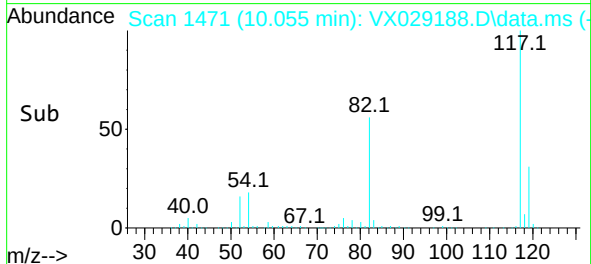
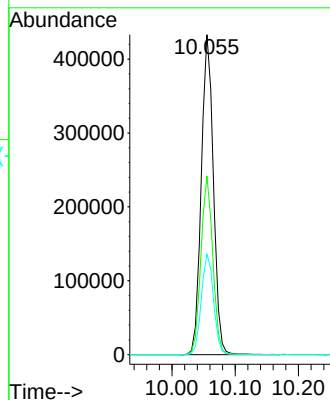
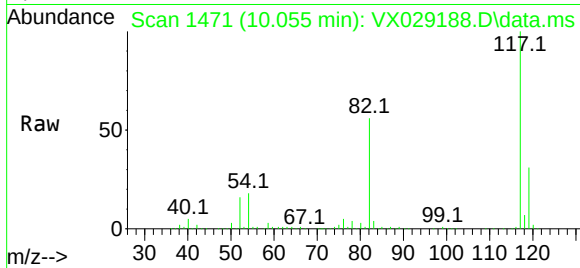




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

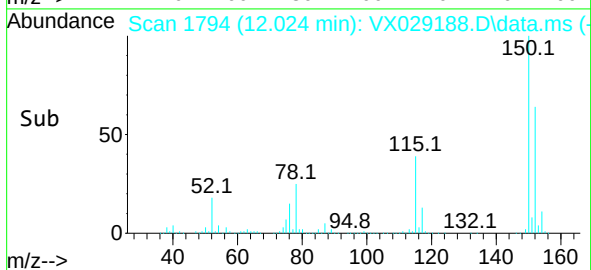
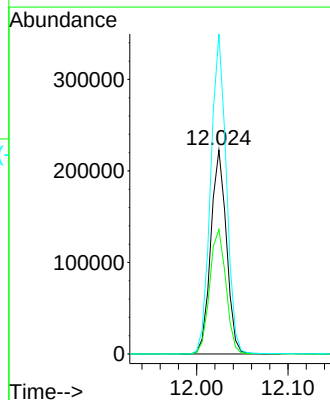
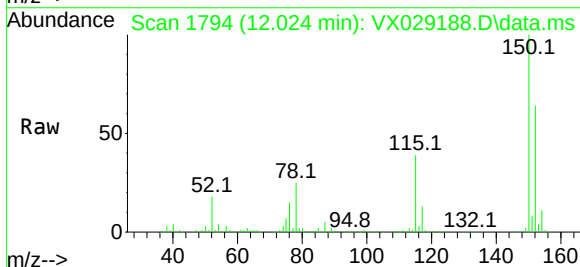
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

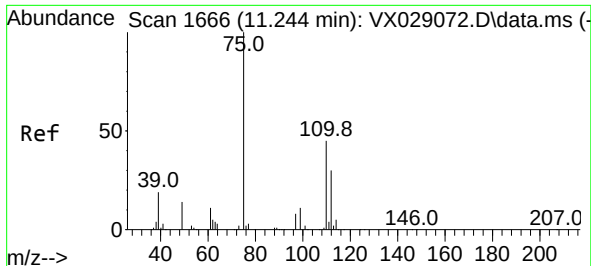
Tgt Ion:117 Resp: 577577
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 31.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion:152 Resp: 264740
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 156.8 0.0 338.2

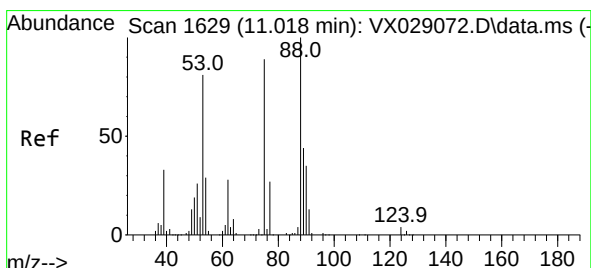
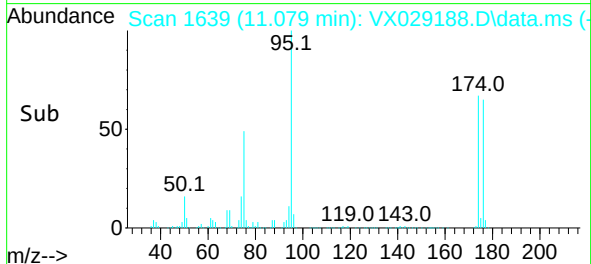
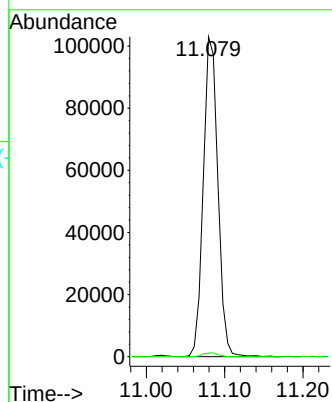
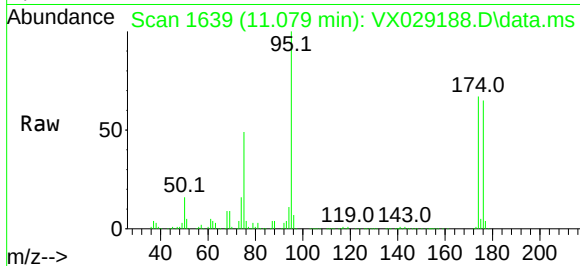




#76
1,2,3-Trichloropropane
Concen: 24.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

Tgt Ion: 75 Resp: 132981
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029188.D
Acq: 03 Jun 2022 14:29

Tgt Ion: 75 Resp: 132981
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

