

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029094.D
 Acq On : 31 May 2022 23:09
 Operator : JC/MD
 Sample : N3022-13 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

Quant Time: Jun 01 05:02:37 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)

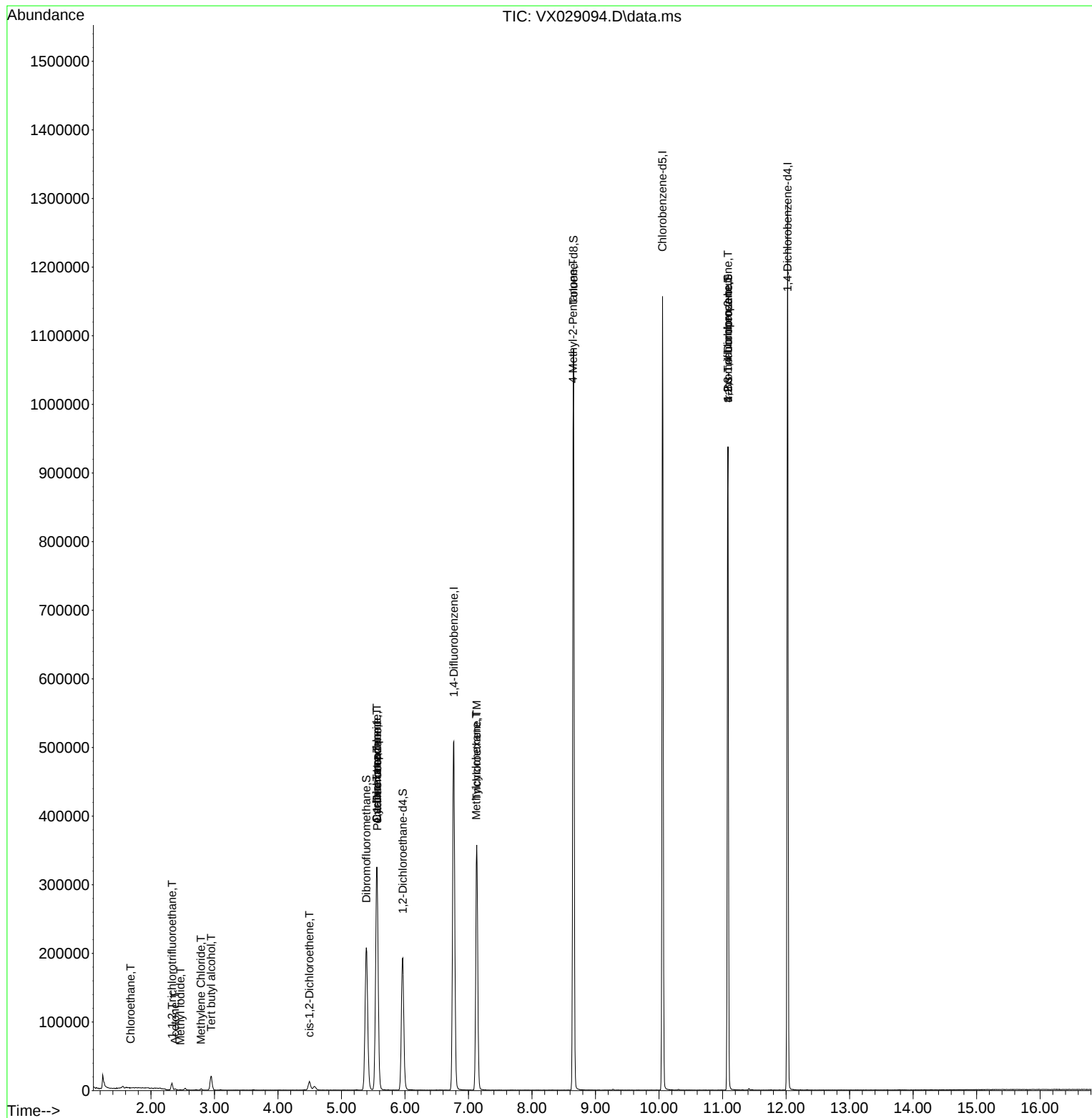
Internal Standards						
1) Pentafluorobenzene	5.562	168	325265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	561224	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	269475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	188176	51.305	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.600%	
35) Dibromofluoromethane	5.391	113	187689	50.349	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.700%	
50) Toluene-d8	8.653	98	656014	48.116	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.240%	
62) 4-Bromofluorobenzene	11.085	95	260089	49.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	789	Below Cal		98
6) Chloroethane	1.679	64	280	1.500 ug/l	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	3857	1.286 ug/l		95
10) Methyl Iodide	2.465	142	348	4.314 ug/l	#	77
11) Tert butyl alcohol	2.947	59	11679	13.745 ug/l	#	74
16) Acetone	2.380	43	1783	1.235 ug/l		91
20) Methylene Chloride	2.788	84	891	0.265 ug/l	#	73
27) cis-1,2-Dichloroethene	4.495	96	8449	2.142 ug/l		88
31) Cyclohexane	5.556	56	5107	1.071 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	22069	4.601 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	32427	5.916 ug/l	#	16
39) Methylcyclohexane	7.123	83	1636	0.276 ug/l	#	1
44) Trichloroethene	7.129	130	149619	35.320 ug/l		96
51) 4-Methyl-2-Pentanone	8.647	43	2374	0.491 ug/l	#	1
76) 1,2,3-Trichloropropane	11.085	75	121924	22.319 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.085	75	121924	65.480 ug/l	#	15

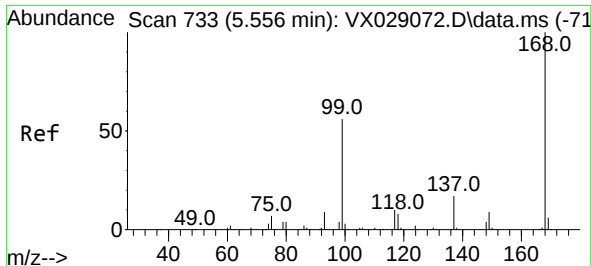
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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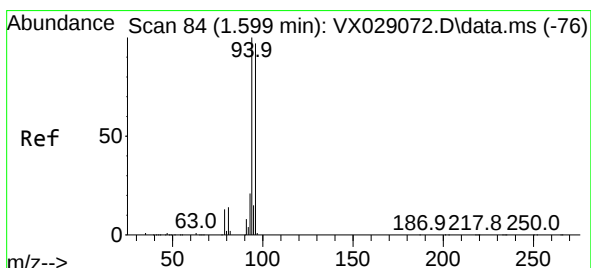
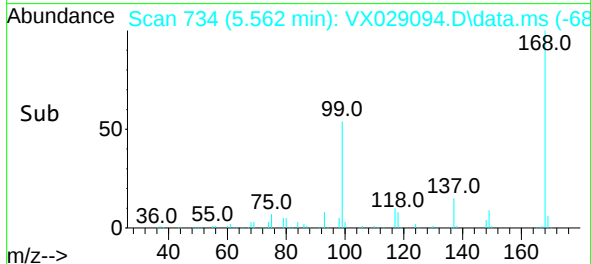
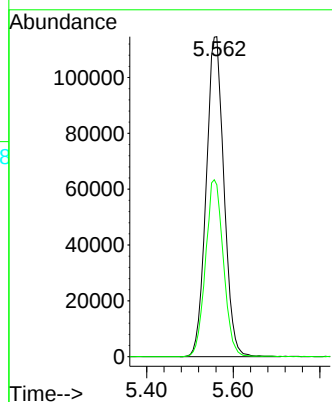
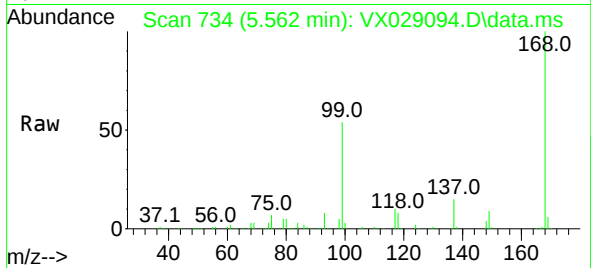




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

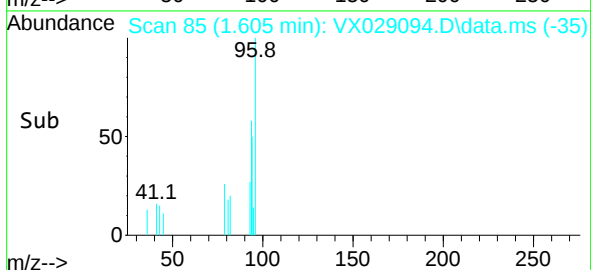
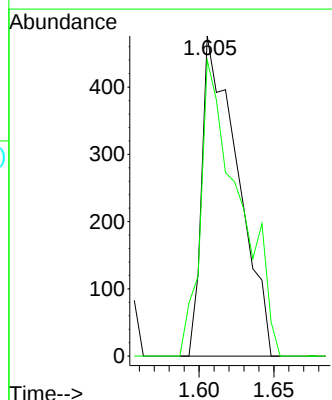
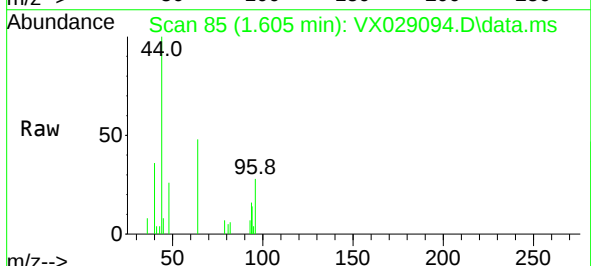
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

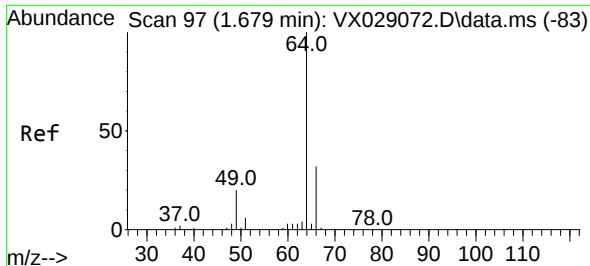
Tgt Ion:168 Resp: 325265
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 94 Resp: 789
Ion Ratio Lower Upper
94 100
96 92.4 75.3 112.9

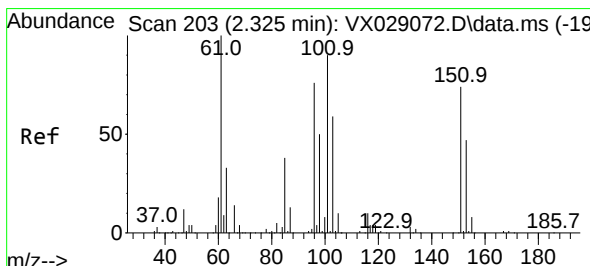
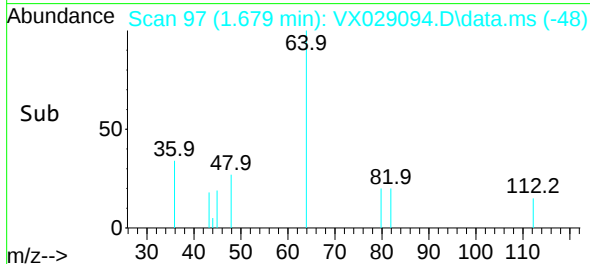
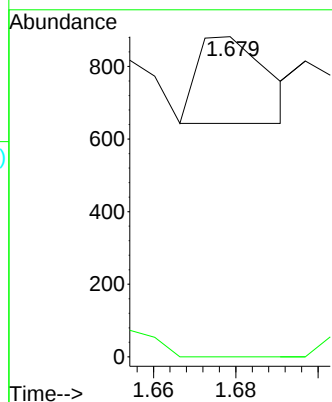
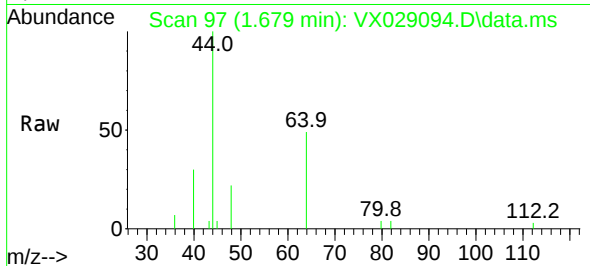




#6
 Chloroethane
 Concen: 1.500 ug/l
 RT: 1.679 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX029094.D
 Acq: 31 May 2022 23:09

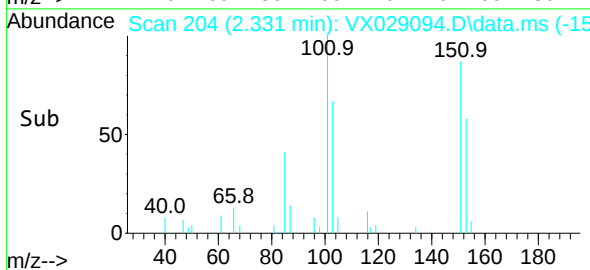
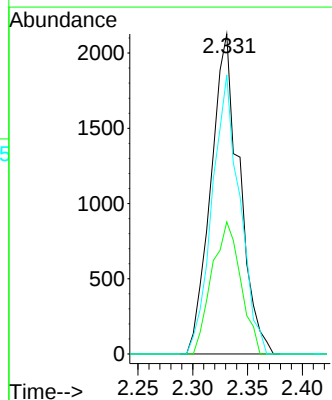
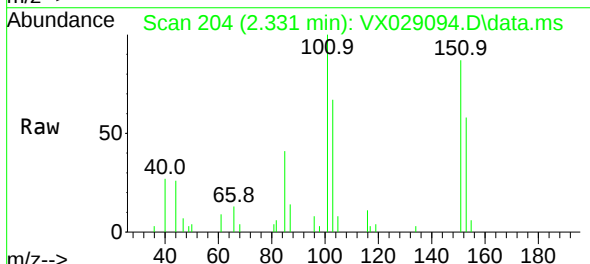
Instrument :
 MSVOA_X
 ClientSampleId :
 08BR-20220525

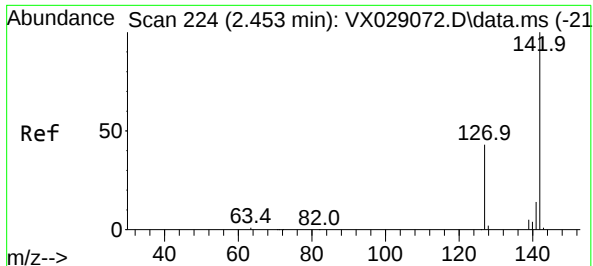
Tgt Ion: 64 Resp: 280
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.3 37.9#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.286 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX029094.D
 Acq: 31 May 2022 23:09

Tgt Ion: 101 Resp: 3857
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.5 50.3
 151 84.1 61.8 92.6

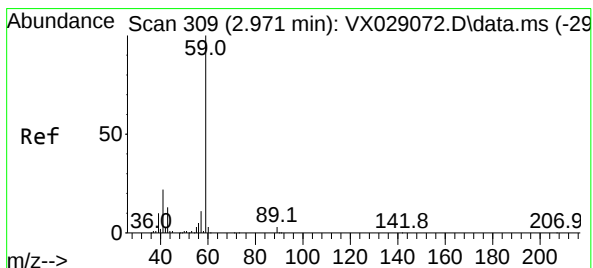
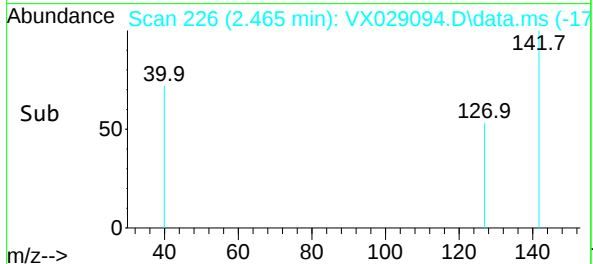
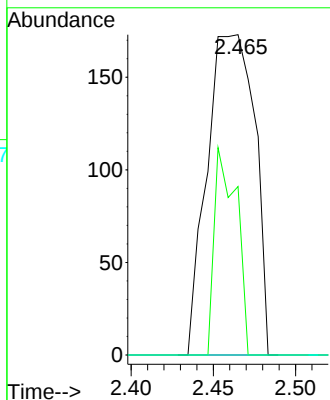
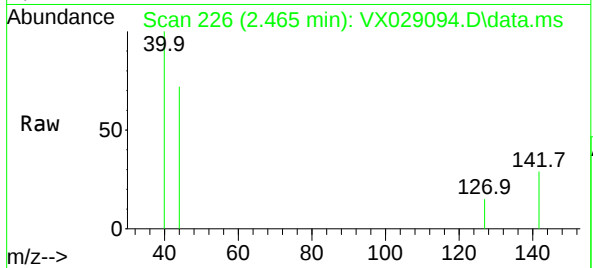




#10
Methyl Iodide
Concen: 4.314 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

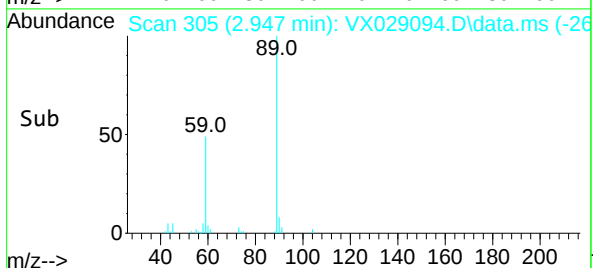
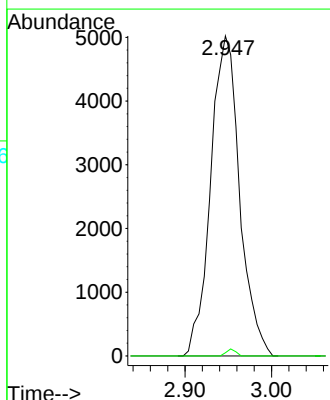
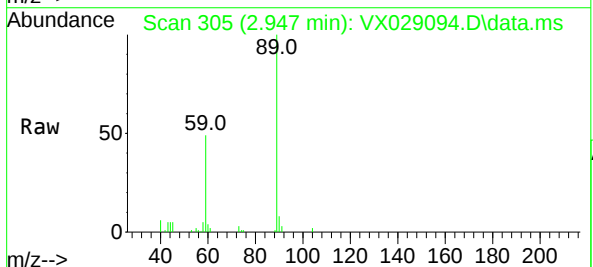
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

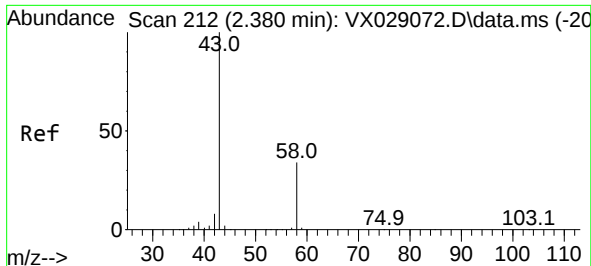
Tgt Ion:142 Resp: 348
Ion Ratio Lower Upper
142 100
127 30.2 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 13.745 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 59 Resp: 11679
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

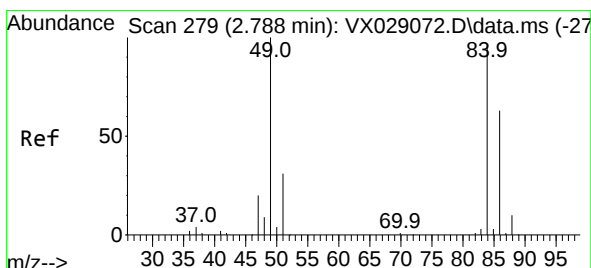
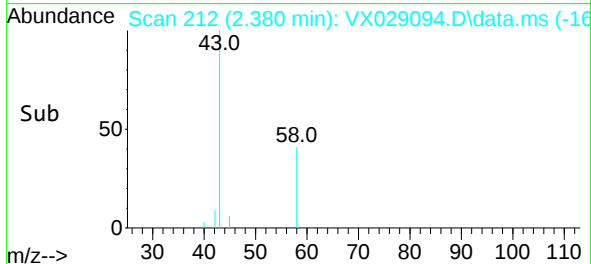
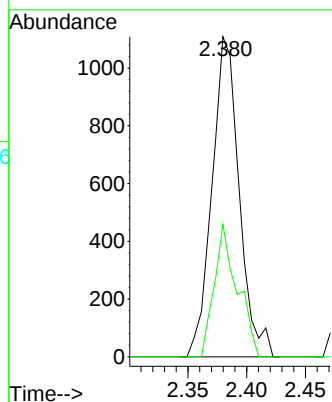
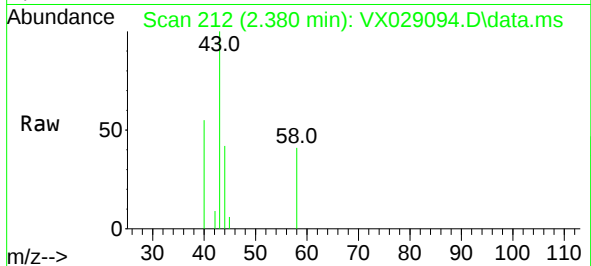




#16
Acetone
Concen: 1.235 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

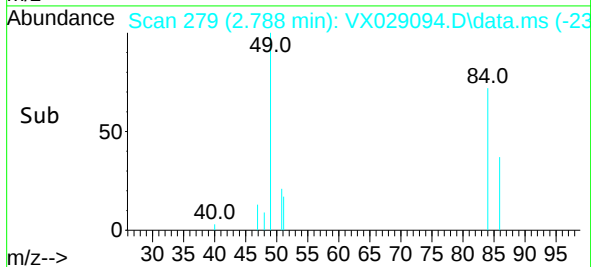
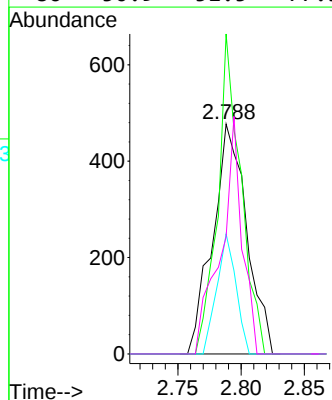
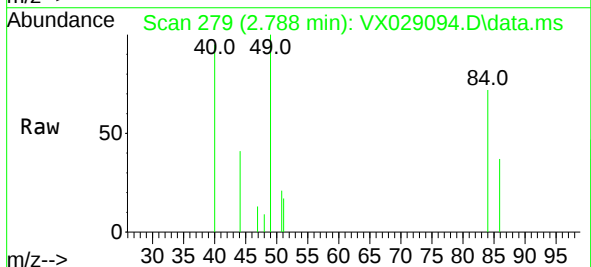
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

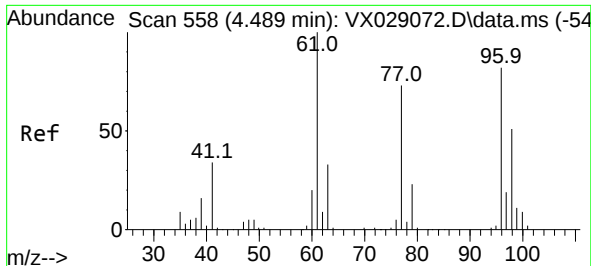
Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 41.3 28.8 43.2



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 84 Resp: 891
Ion Ratio Lower Upper
84 100
49 139.2 85.5 128.3#
51 52.2 26.6 39.8#
86 50.9 51.5 77.3#





#27

cis-1,2-Dichloroethene

Concen: 2.142 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029094.D

Acq: 31 May 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

08BR-20220525

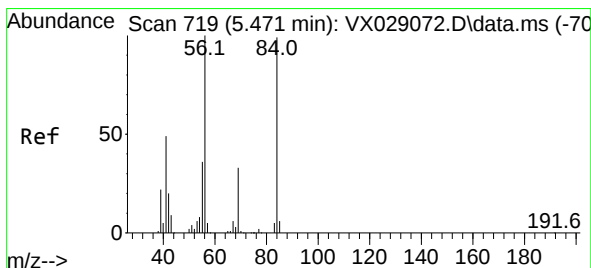
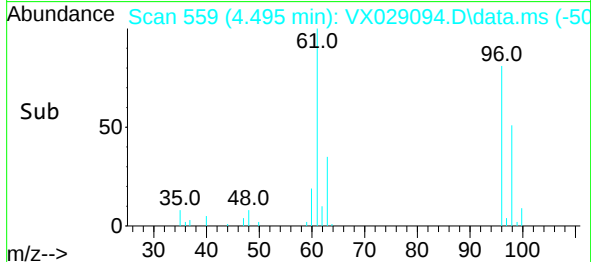
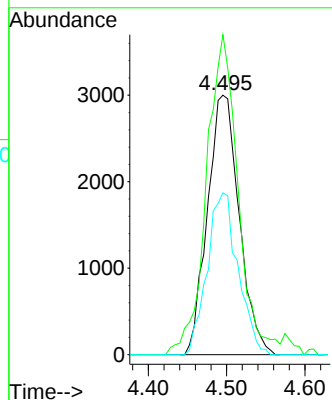
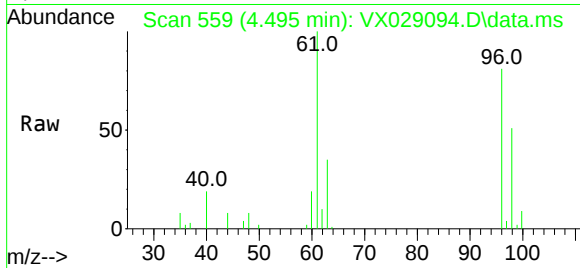
Tgt Ion: 96 Resp: 8449

Ion Ratio Lower Upper

96 100

61 122.8 0.0 283.8

98 60.6 0.0 129.8



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029094.D

Acq: 31 May 2022 23:09

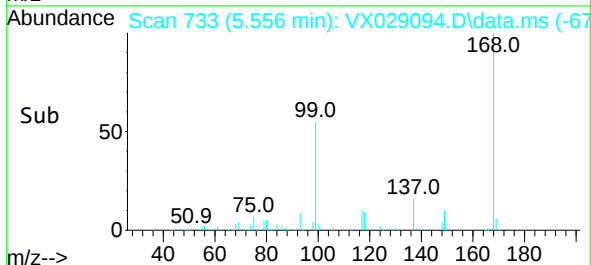
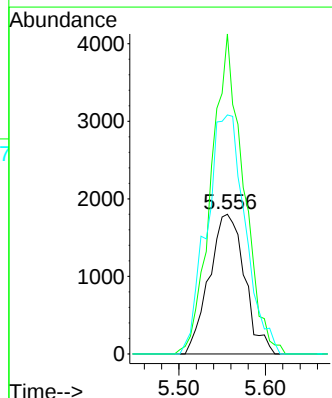
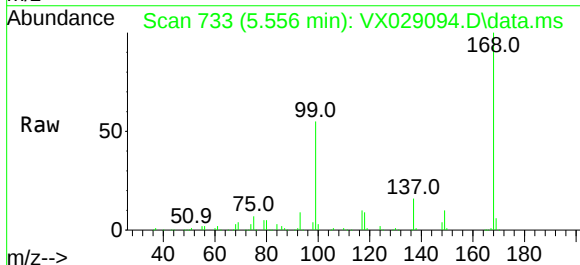
Tgt Ion: 56 Resp: 5107

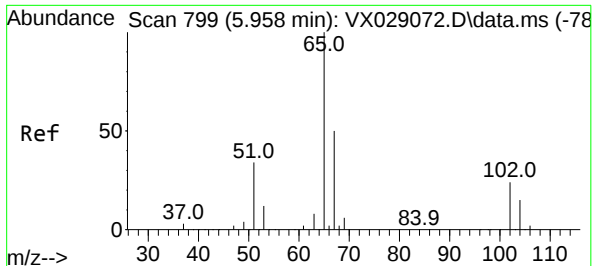
Ion Ratio Lower Upper

56 100

69 226.2 26.7 40.1#

84 171.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.305 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029094.D

Acq: 31 May 2022 23:09

Instrument :

MSVOA_X

ClientSampleId :

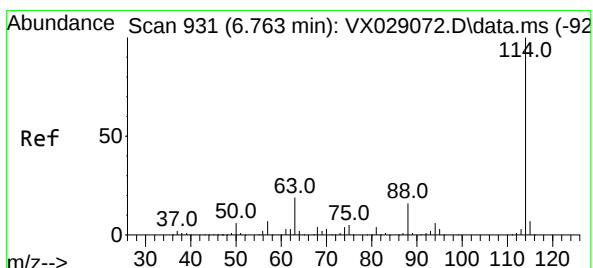
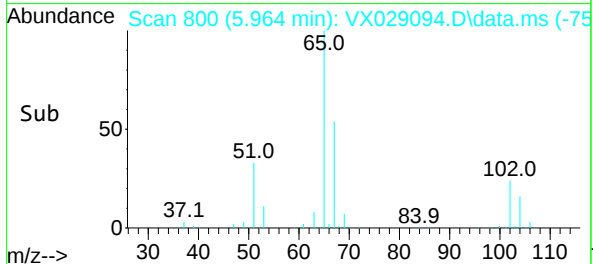
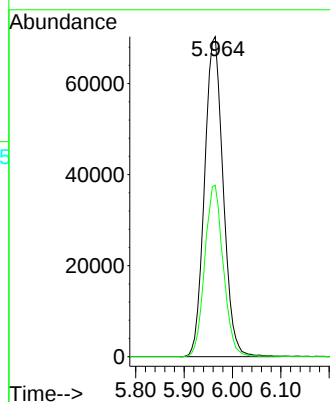
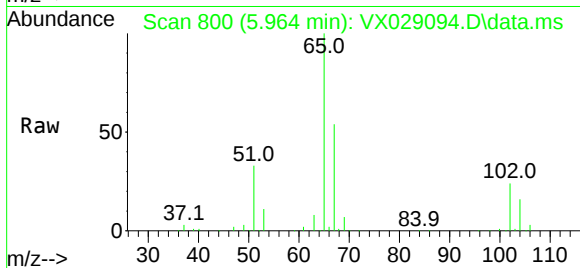
08BR-20220525

Tgt Ion: 65 Resp: 188176

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029094.D

Acq: 31 May 2022 23:09

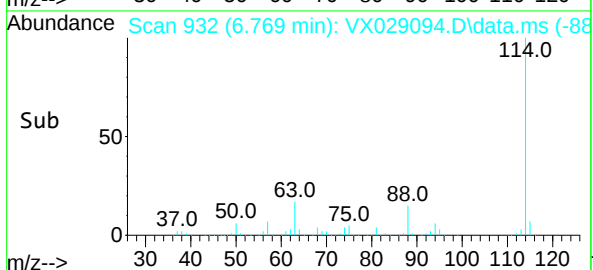
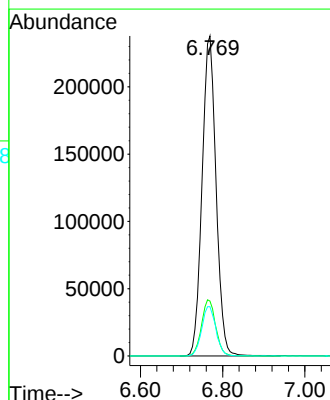
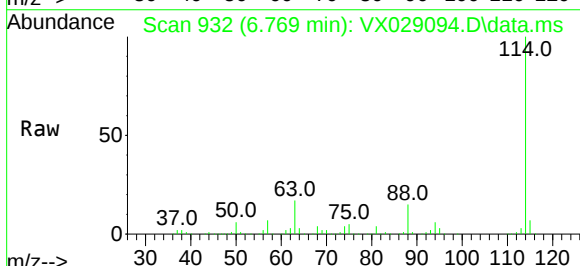
Tgt Ion: 114 Resp: 561224

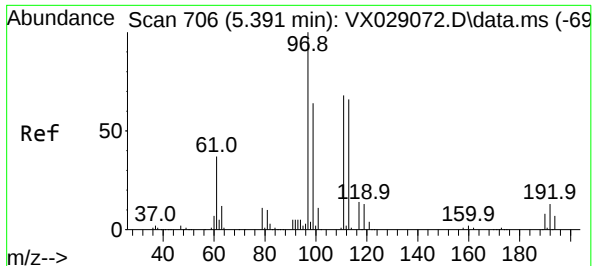
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

88 15.4 0.0 32.4

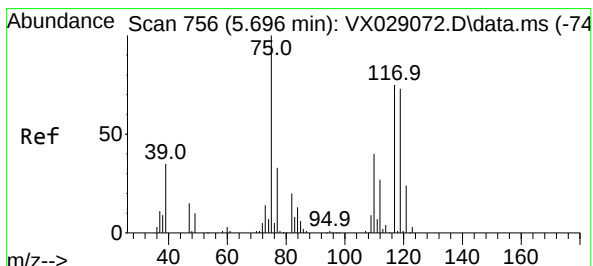
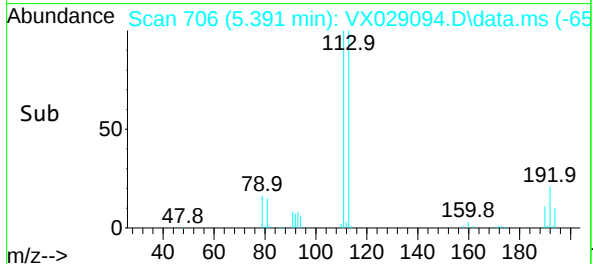
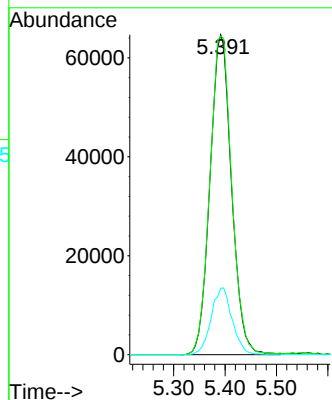
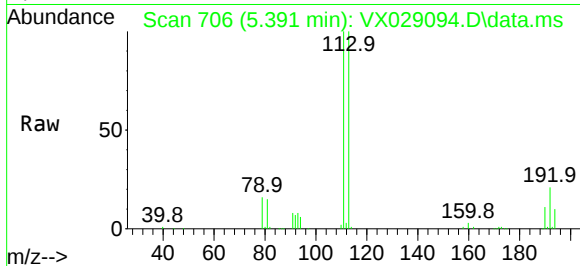




#35
Dibromofluoromethane
Concen: 50.349 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

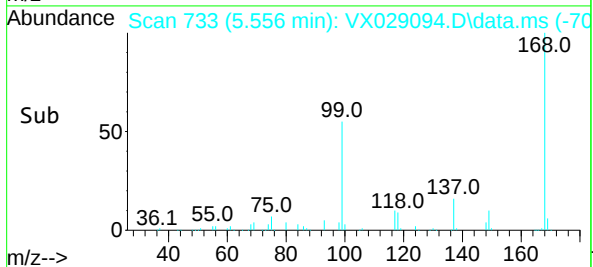
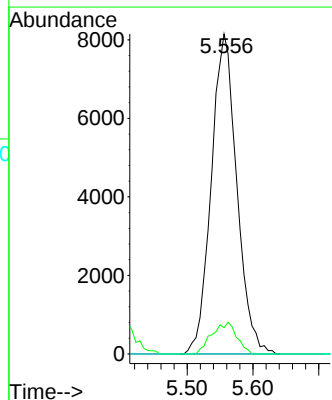
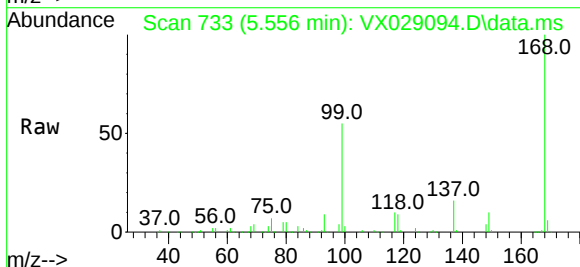
Instrument :
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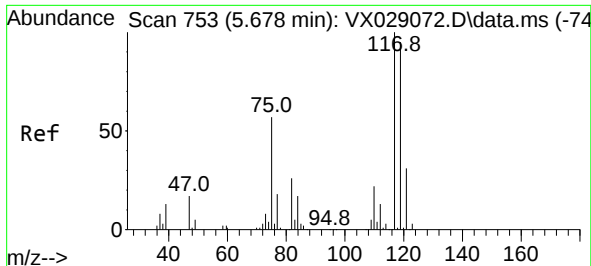
Tgt Ion:113 Resp: 187689
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 75 Resp: 22069
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#

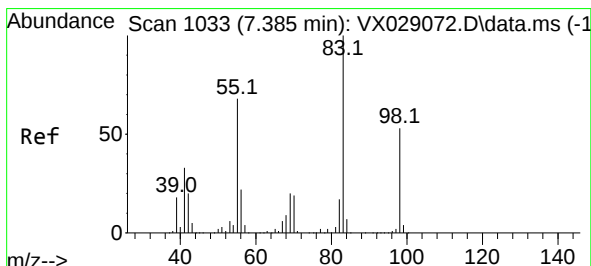
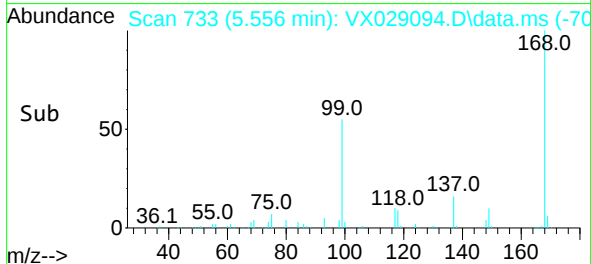
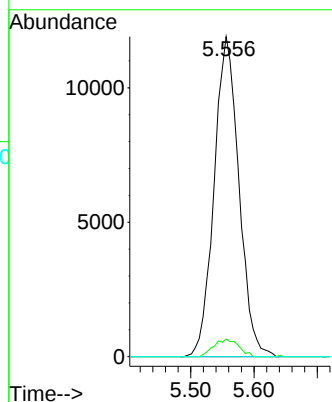
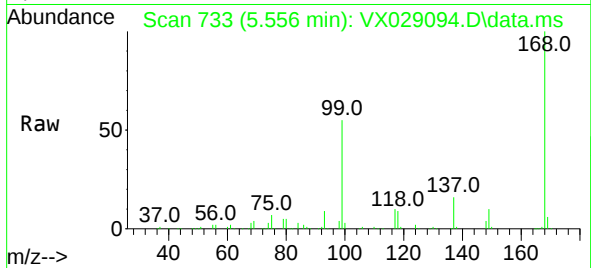




#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

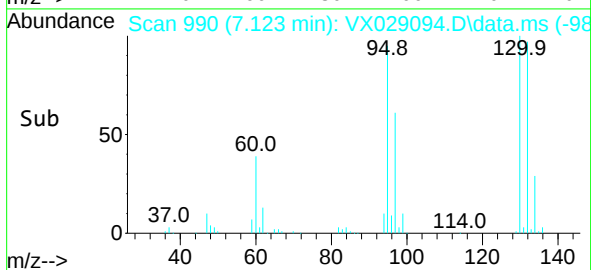
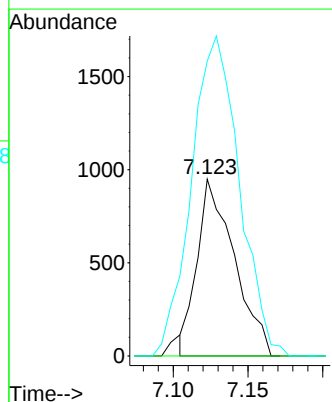
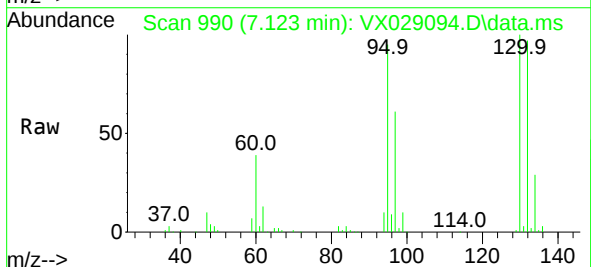
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

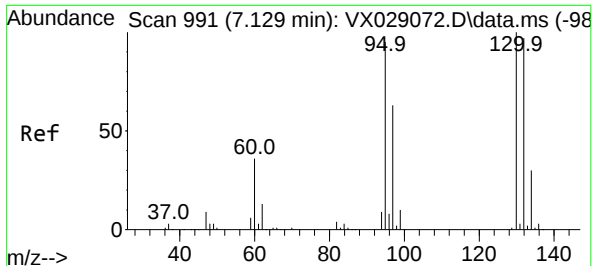
Tgt Ion:117 Resp: 32427
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.276 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 83 Resp: 1636
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 161.1 37.4 56.2#

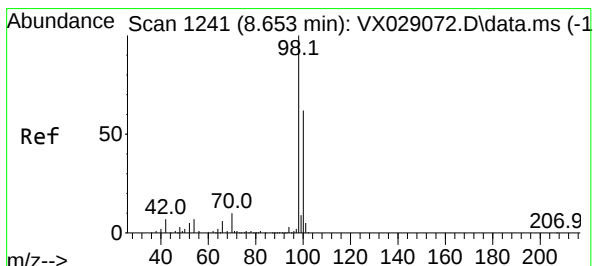
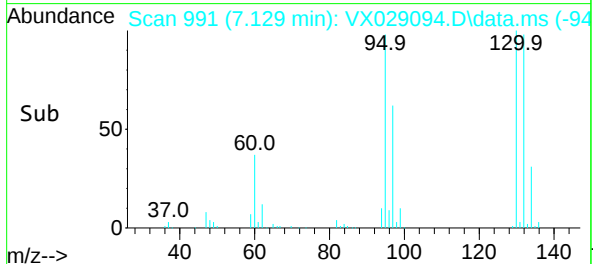
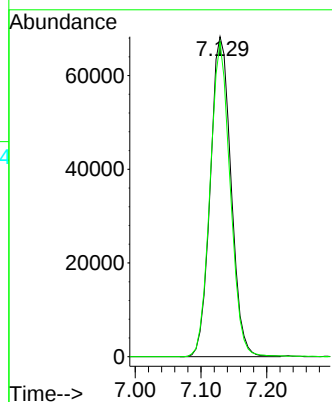
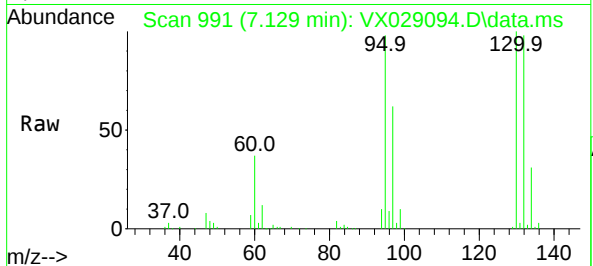




#44
Trichloroethene
Concen: 35.320 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

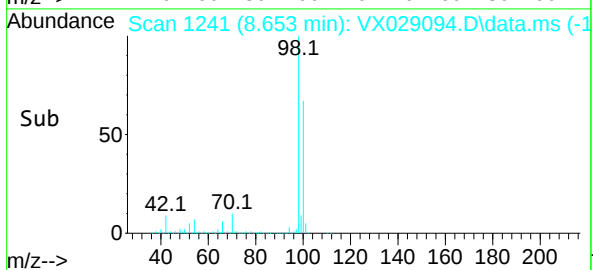
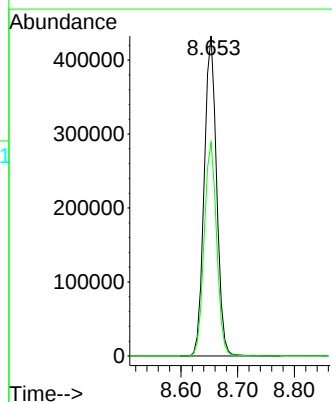
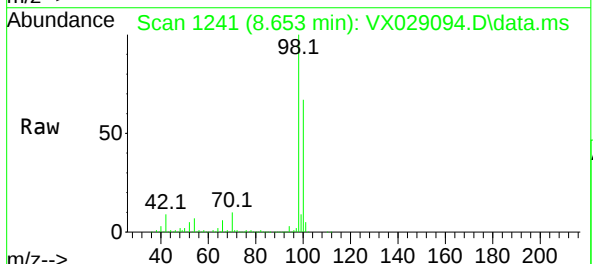
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

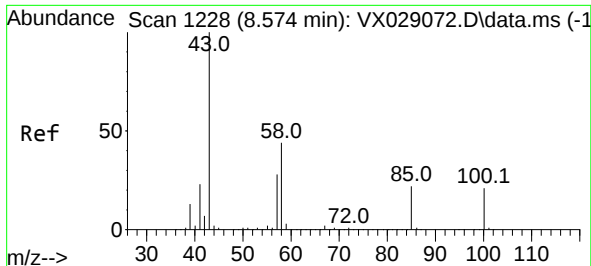
Tgt Ion:130 Resp: 149619
Ion Ratio Lower Upper
130 100
95 98.2 0.0 188.8



#50
Toluene-d8
Concen: 48.116 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 98 Resp: 656014
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8

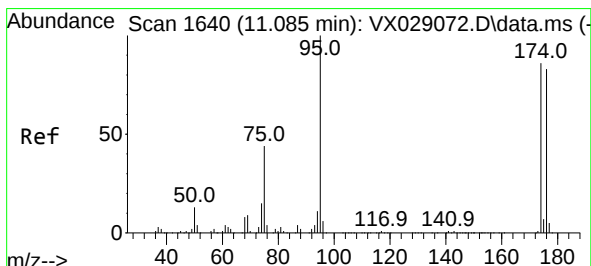
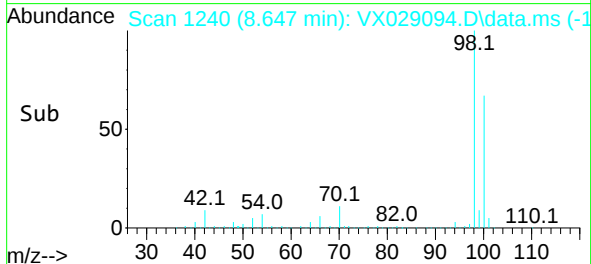
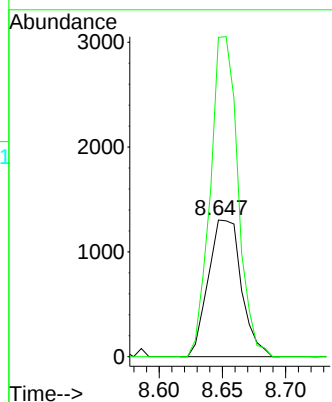
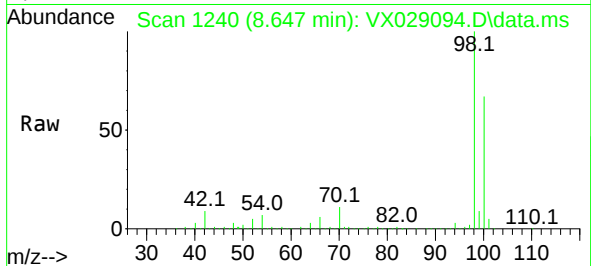




#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

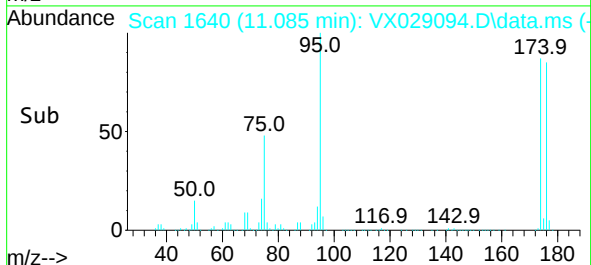
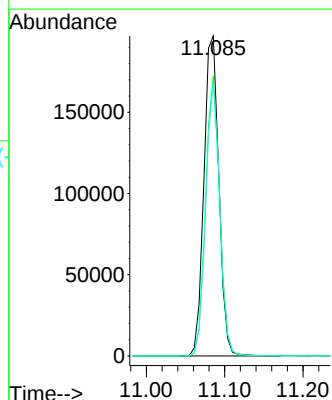
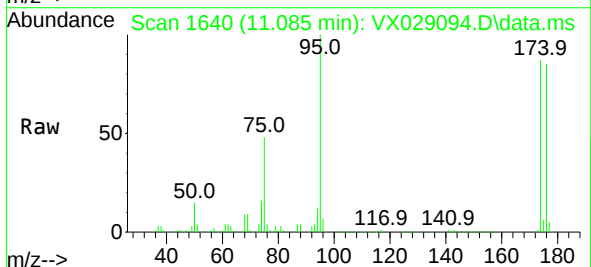
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

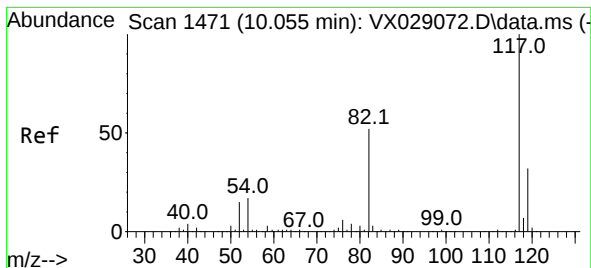
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 195.8 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 49.350 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 95 Resp: 260089
Ion Ratio Lower Upper
95 100
174 82.8 0.0 163.0
176 80.8 0.0 155.0

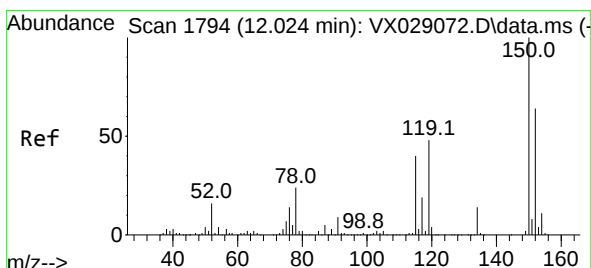
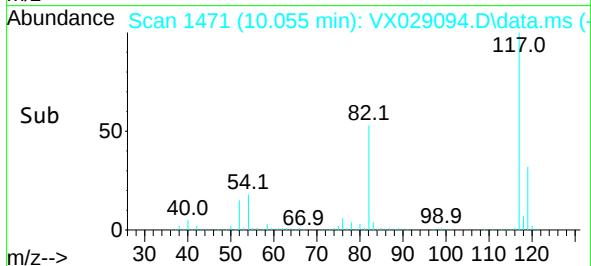
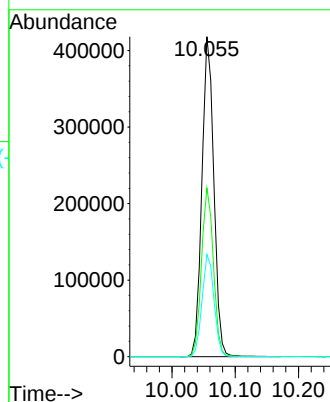
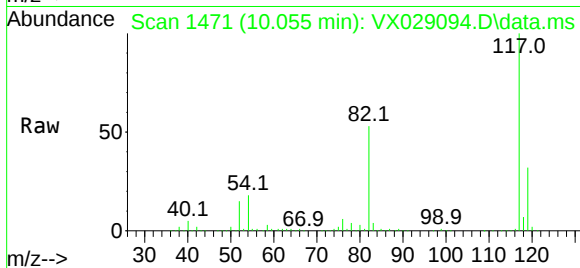




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

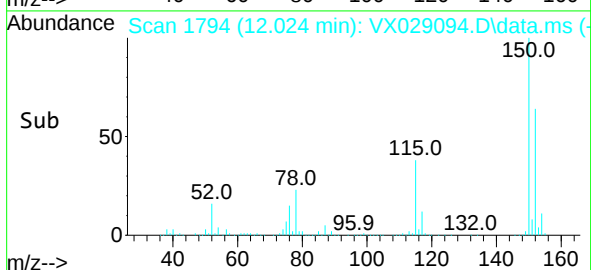
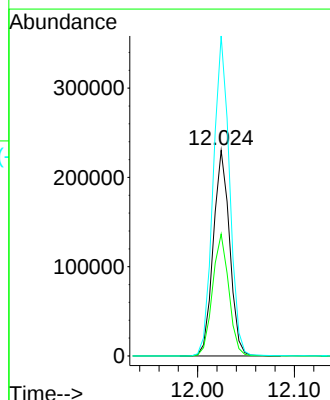
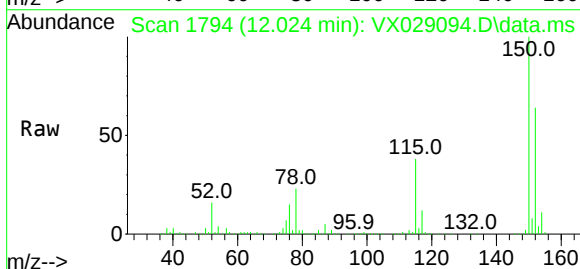
Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

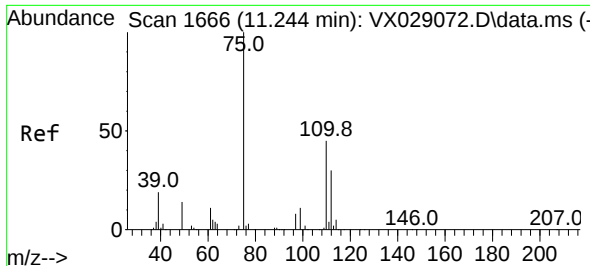
Tgt Ion:117 Resp: 549837
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion:152 Resp: 269475
Ion Ratio Lower Upper
152 100
115 58.9 37.5 112.7
150 155.4 0.0 338.2

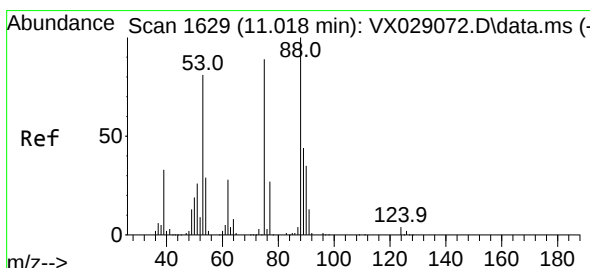
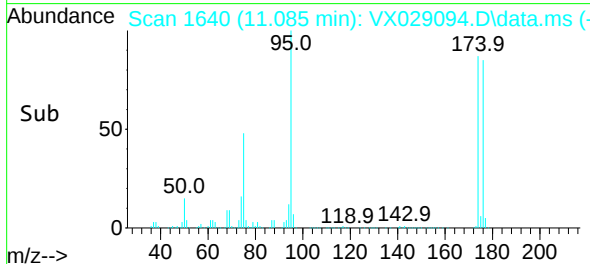
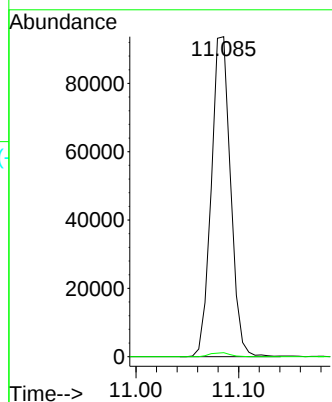
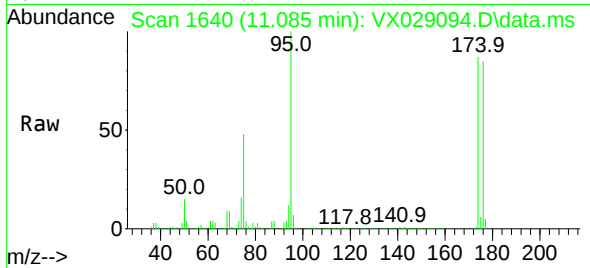




#76
1,2,3-Trichloropropane
Concen: 22.319 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Instrument :
MSVOA_X
ClientSampleId :
08BR-20220525

Tgt Ion: 75 Resp: 121924
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.480 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029094.D
Acq: 31 May 2022 23:09

Tgt Ion: 75 Resp: 121924
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

