

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029097.D
 Acq On : 01 Jun 2022 00:19
 Operator : JC/MD
 Sample : N3022-10 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20220525

Quant Time: Jun 01 05:03:33 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.	T.QIon	Response	Conc	Units	Dev(Min)

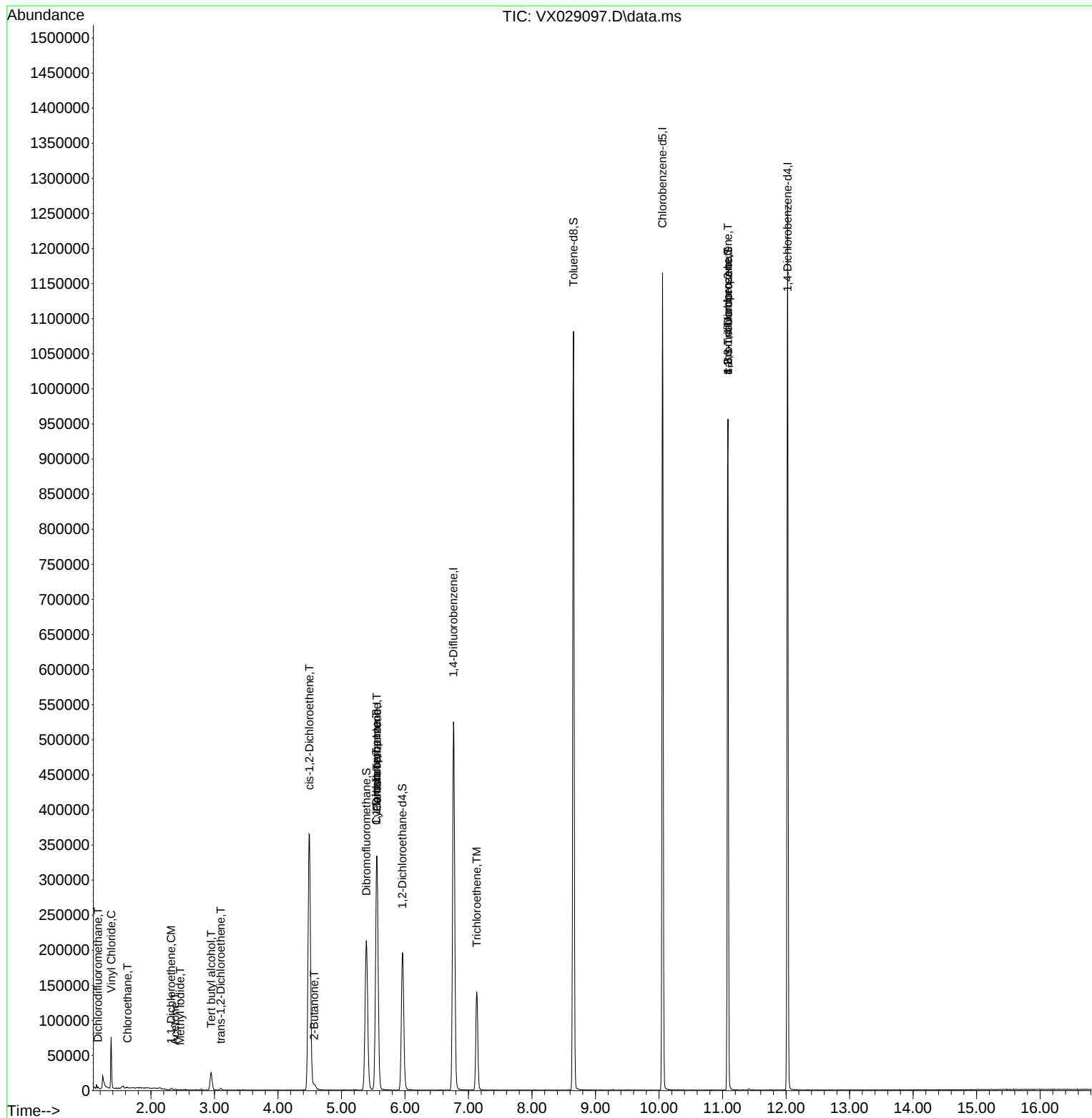
Internal Standards						
1) Pentafluorobenzene	5.556	168	335715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	575255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	557339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	194074	51.266	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.540%	
35) Dibromofluoromethane	5.391	113	190798	49.934	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.860%	
50) Toluene-d8	8.653	98	669933	47.938	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	11.085	95	260972	48.310	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1309	0.448	ug/l	89
4) Vinyl Chloride	1.374	62	43435	12.932	ug/l	100
5) Bromomethane	1.617	94	724	Below Cal		95
6) Chloroethane	1.630	64	823	1.676	ug/l #	75
10) Methyl Iodide	2.459	142	338	4.309	ug/l #	86
11) Tert butyl alcohol	2.947	59	13831	15.771	ug/l #	75
12) 1,1-Dichloroethene	2.319	96	748	0.247	ug/l	84
16) Acetone	2.380	43	1217	0.816	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	1092	0.320	ug/l #	80
25) 2-Butanone	4.568	43	557	0.232	ug/l #	44
27) cis-1,2-Dichloroethene	4.495	96	255280	62.708	ug/l	85
31) Cyclohexane	5.550	56	5241	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	22286	4.533	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33628	5.985	ug/l #	15
44) Trichloroethene	7.129	130	59441	13.253	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	124123	22.808	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	124123	66.915	ug/l #	15

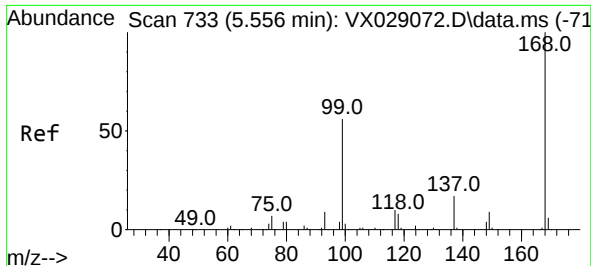
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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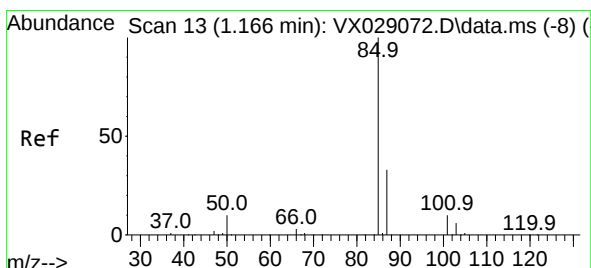
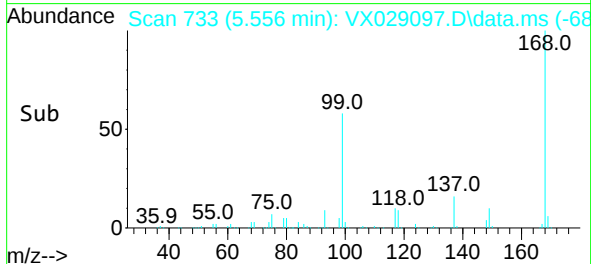
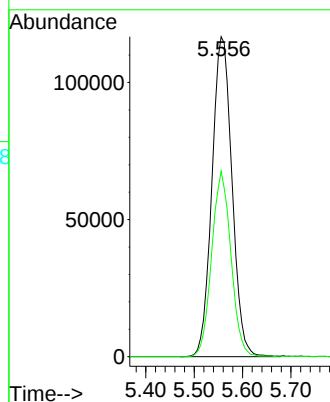
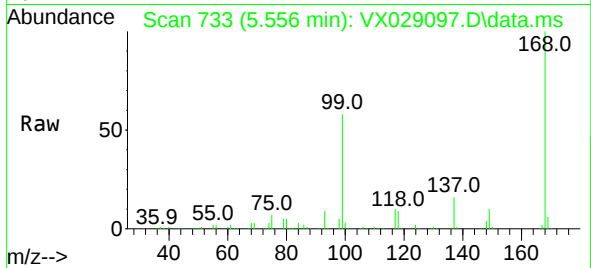




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

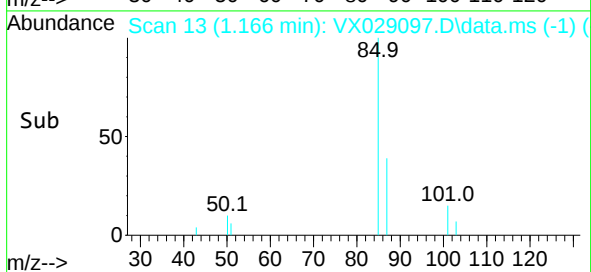
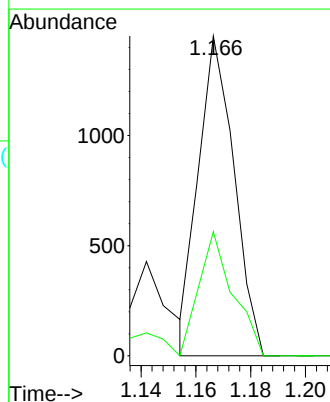
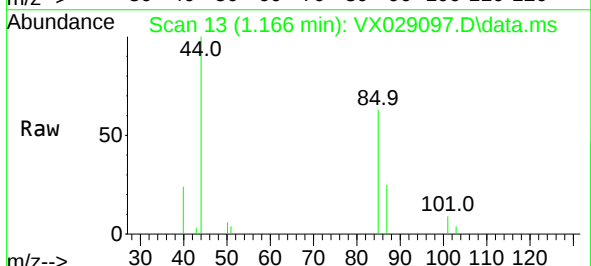
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

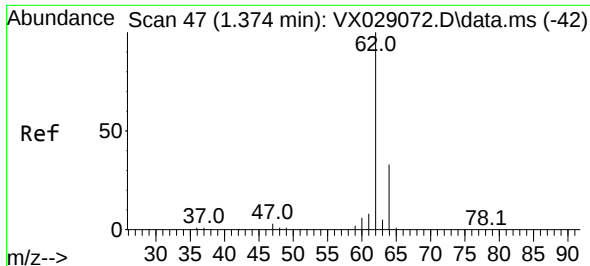
Tgt Ion:168 Resp: 335715
Ion Ratio Lower Upper
168 100
99 57.9 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.448 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 85 Resp: 1309
Ion Ratio Lower Upper
85 100
87 38.8 16.2 48.6

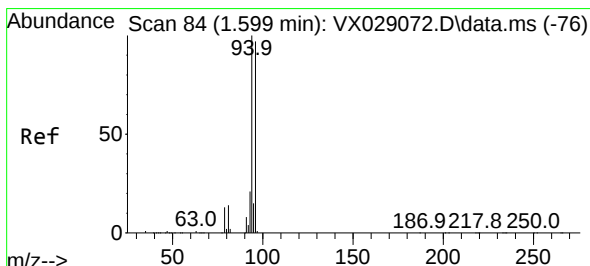
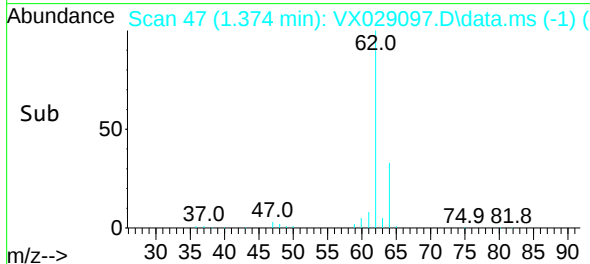
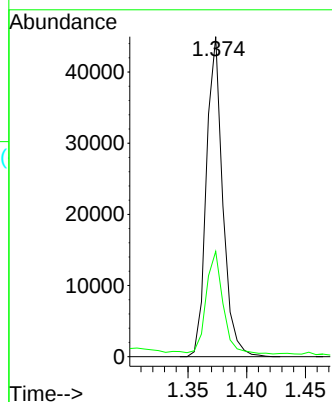
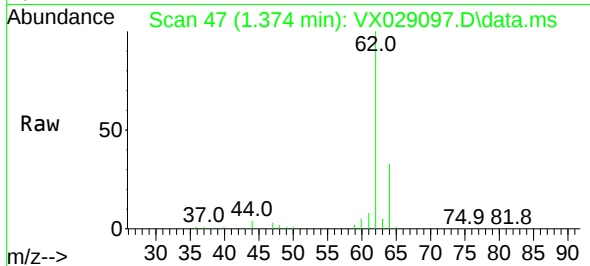




#4
 Vinyl Chloride
 Concen: 12.932 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029097.D
 Acq: 01 Jun 2022 00:19

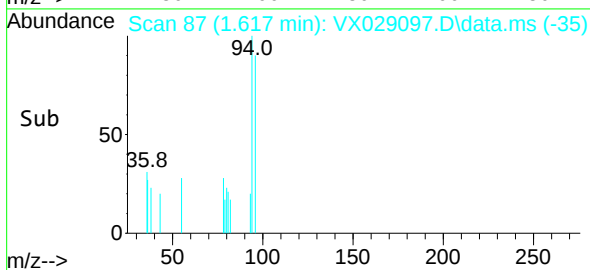
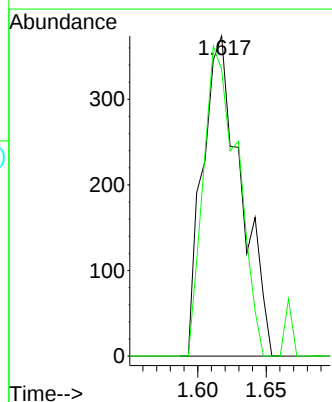
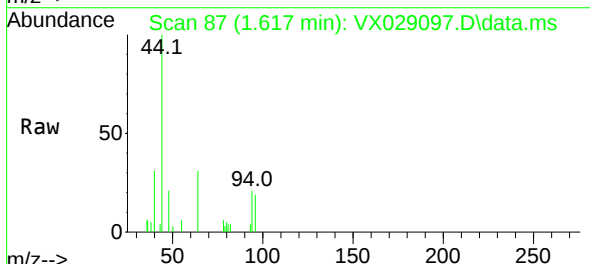
Instrument :
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 ClientSampleId :
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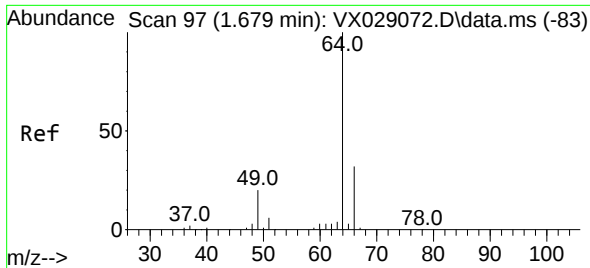
Tgt Ion: 62 Resp: 43435
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX029097.D
 Acq: 01 Jun 2022 00:19

Tgt Ion: 94 Resp: 724
 Ion Ratio Lower Upper
 94 100
 96 89.6 75.3 112.9

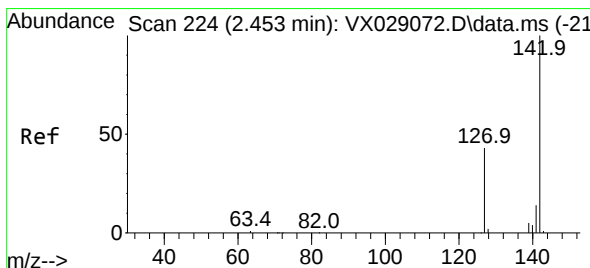
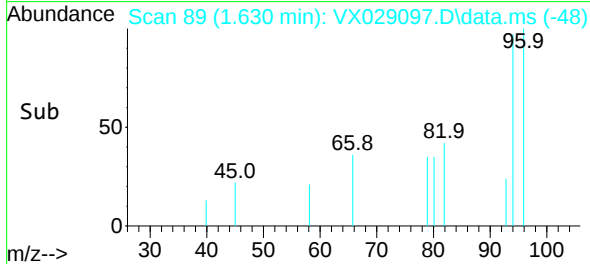
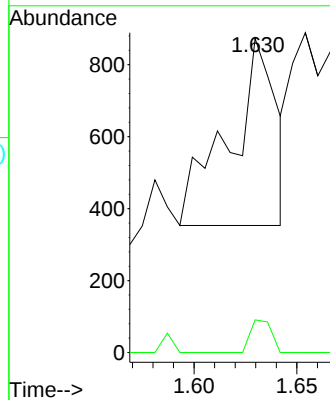
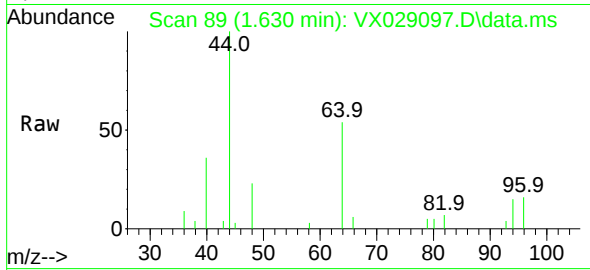




#6
Chloroethane
Concen: 1.676 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

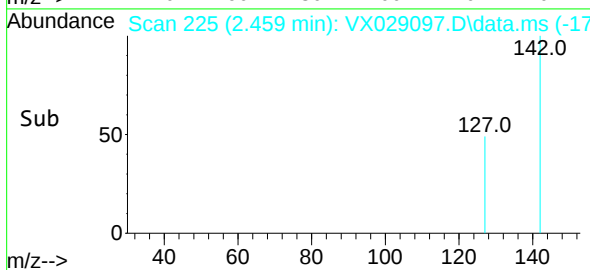
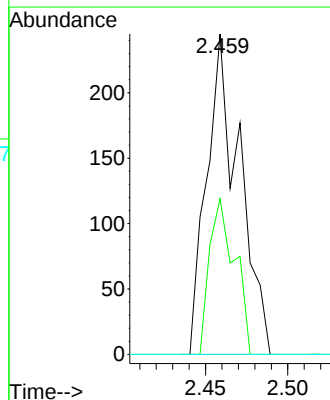
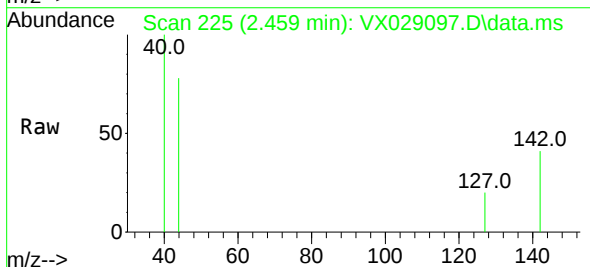
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

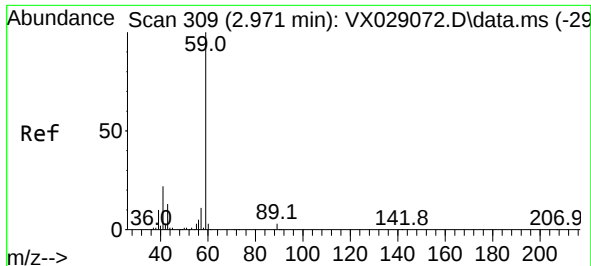
Tgt Ion: 64 Resp: 823
Ion Ratio Lower Upper
64 100
66 17.5 25.3 37.9#



#10
Methyl Iodide
Concen: 4.309 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 142 Resp: 338
Ion Ratio Lower Upper
142 100
127 37.6 33.9 50.9
141 0.0 11.4 17.2#

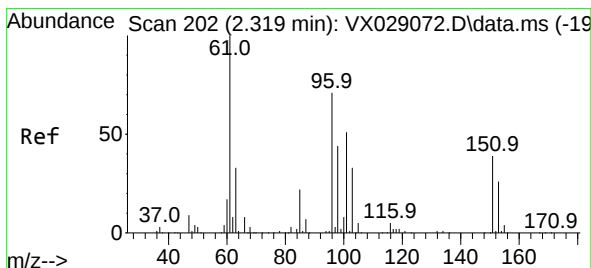
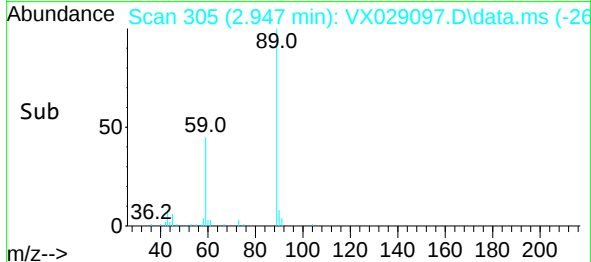
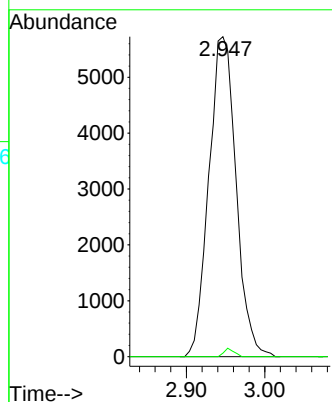
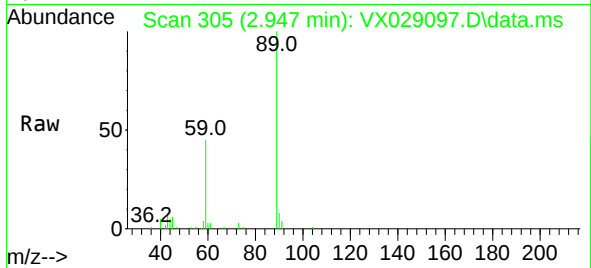




#11
Tert butyl alcohol
Concen: 15.771 ug/l
RT: 2.947 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

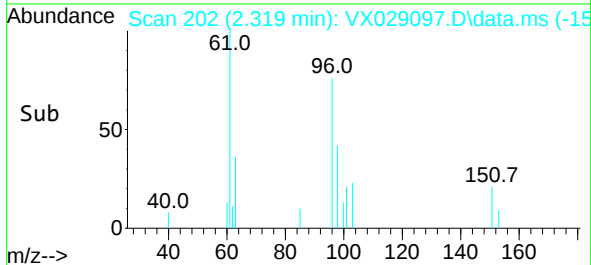
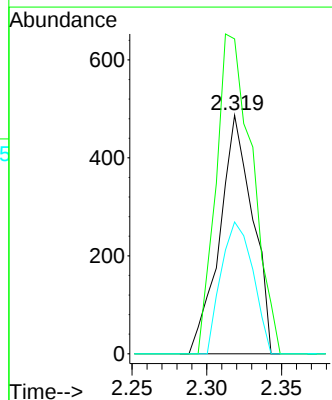
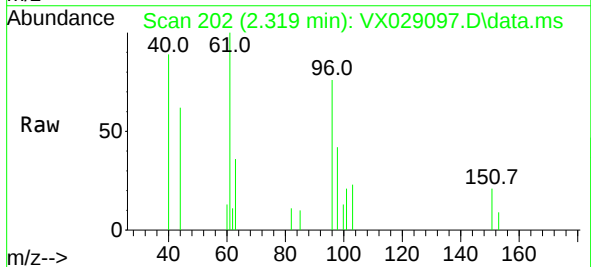
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

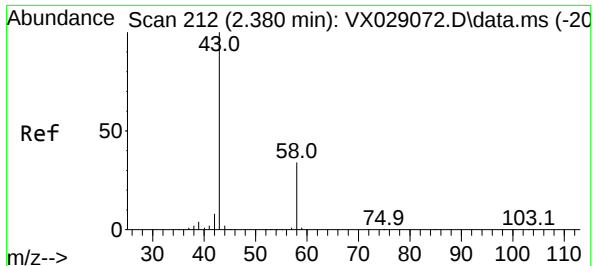
Tgt Ion: 59 Resp: 13831
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.247 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 96 Resp: 748
Ion Ratio Lower Upper
96 100
61 132.0 124.6 187.0
98 55.2 51.0 76.4

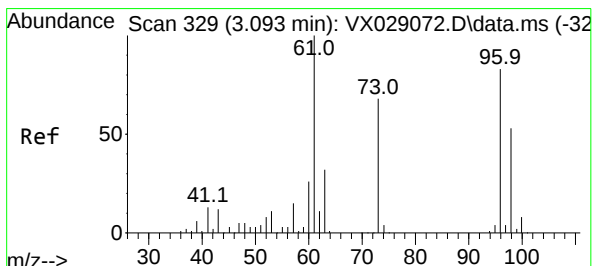
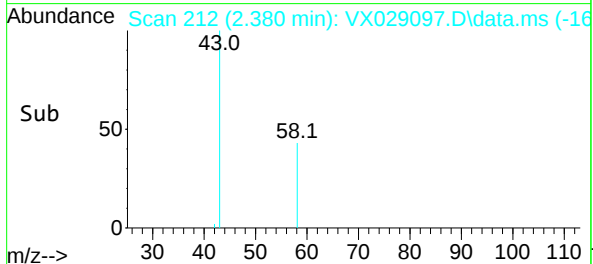
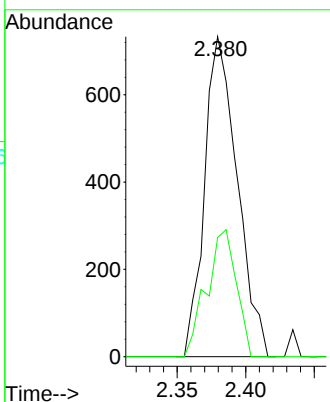
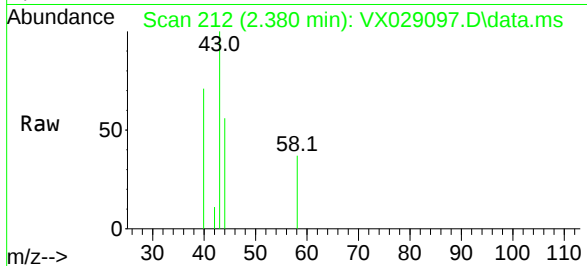




#16
Acetone
Concen: 0.816 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

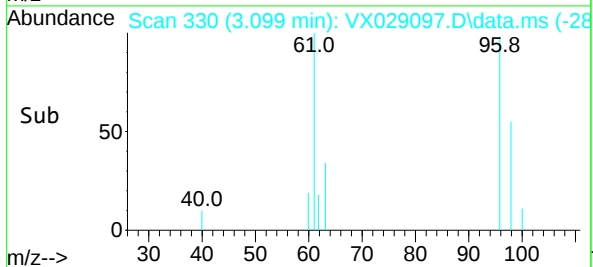
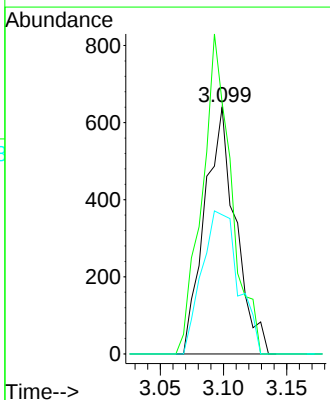
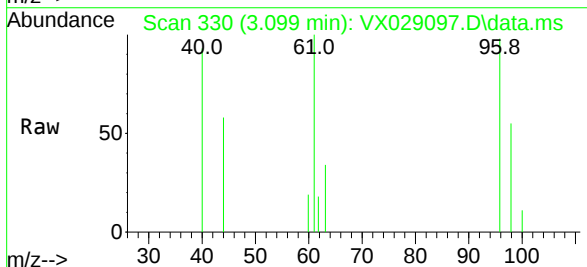
Instrument :
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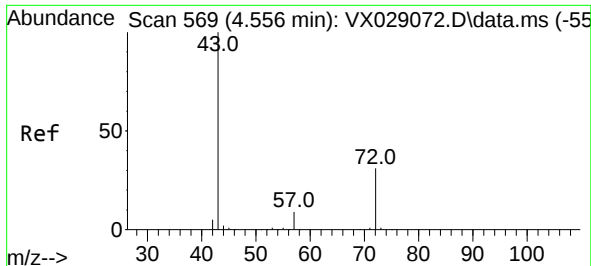
Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
58 37.2 28.8 43.2



#21
trans-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 96 Resp: 1092
Ion Ratio Lower Upper
96 100
61 101.9 105.4 158.2#
98 56.4 50.0 75.0

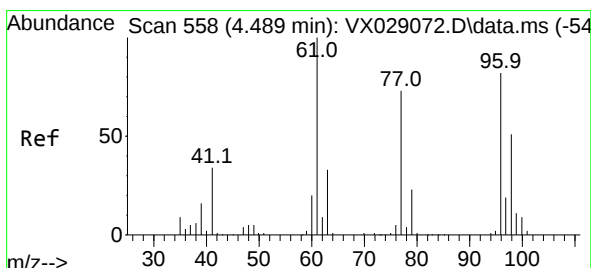
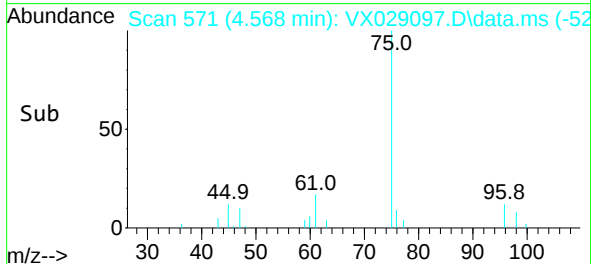
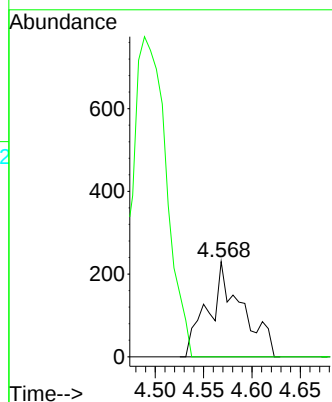
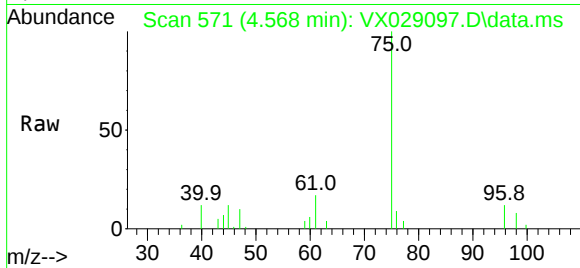




#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

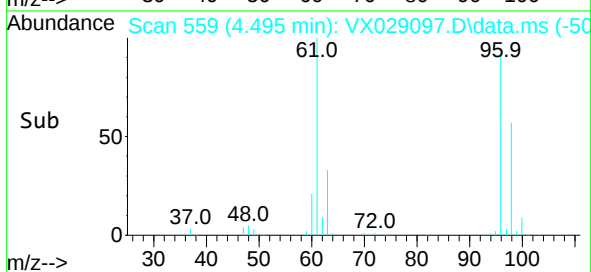
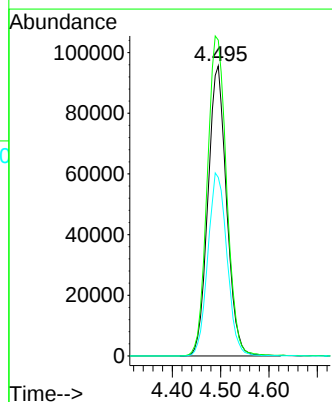
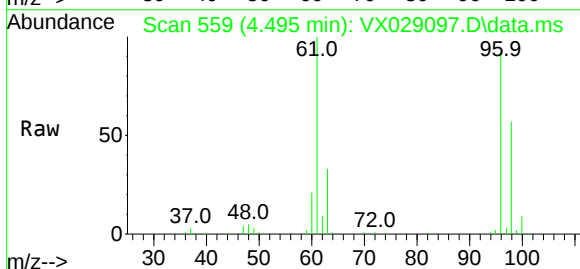
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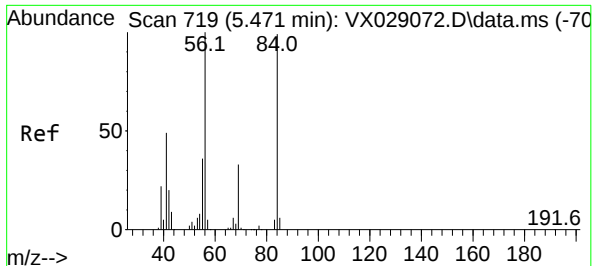
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 62.708 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 96 Resp: 255280
Ion Ratio Lower Upper
96 100
61 114.6 0.0 283.8
98 64.9 0.0 129.8

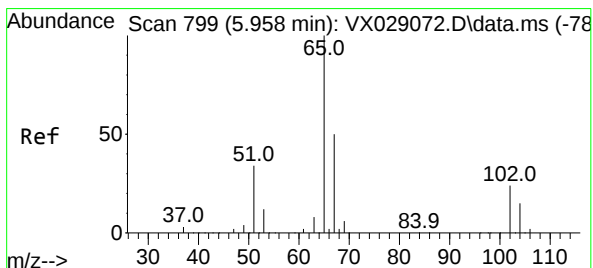
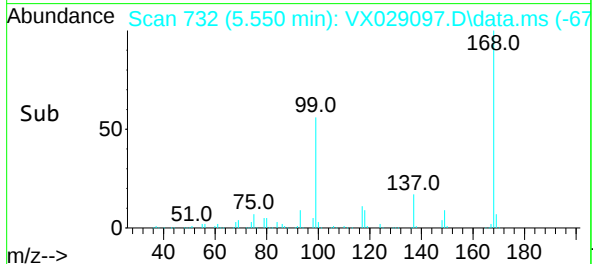
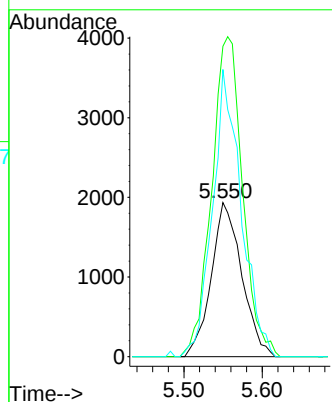
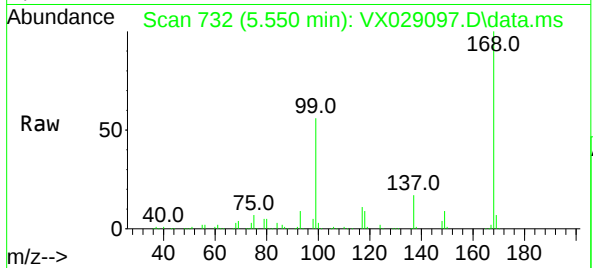




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

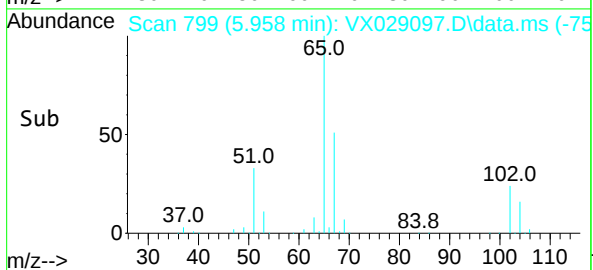
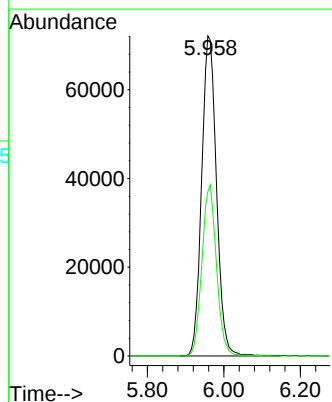
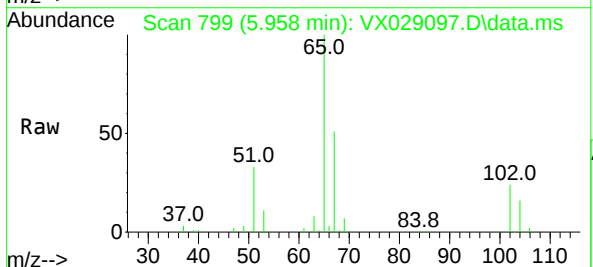
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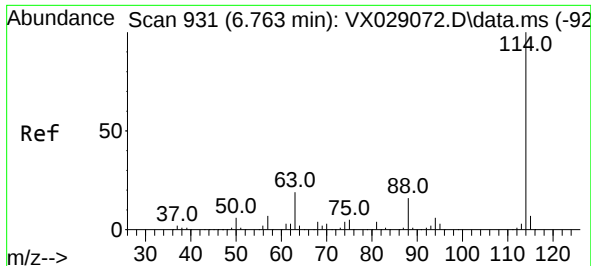
Tgt Ion: 56 Resp: 5241
Ion Ratio Lower Upper
56 100
69 201.4 26.7 40.1#
84 186.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.266 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 65 Resp: 194074
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

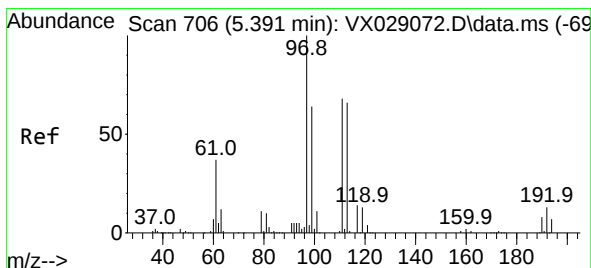
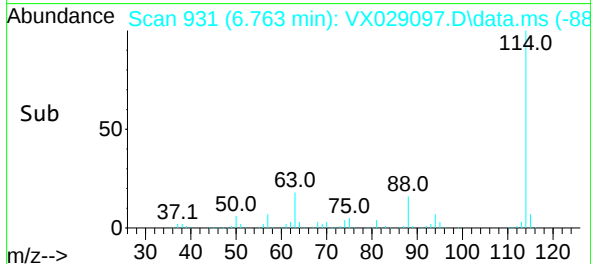
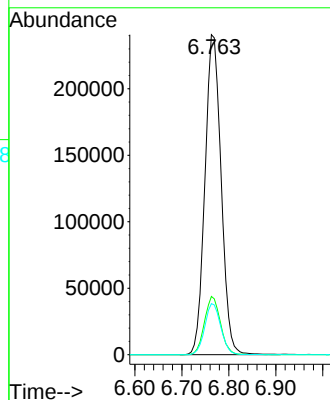
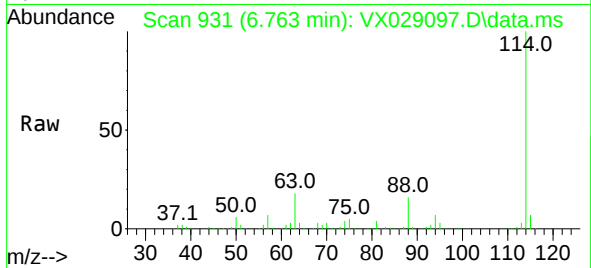




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

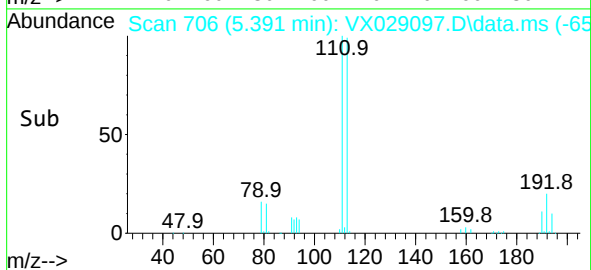
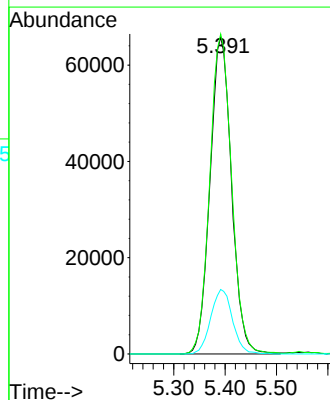
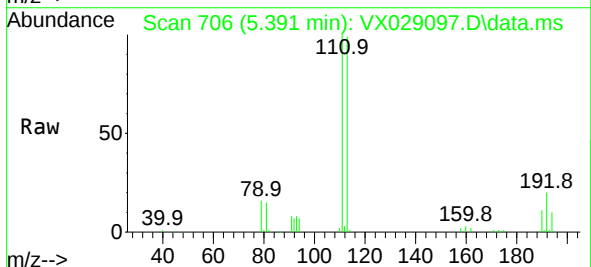
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

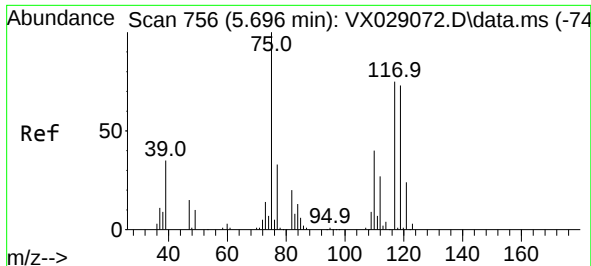
Tgt Ion:114 Resp: 575255
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.934 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion:113 Resp: 190798
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.6 16.9 25.3

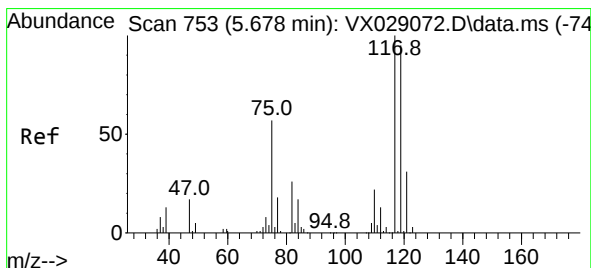
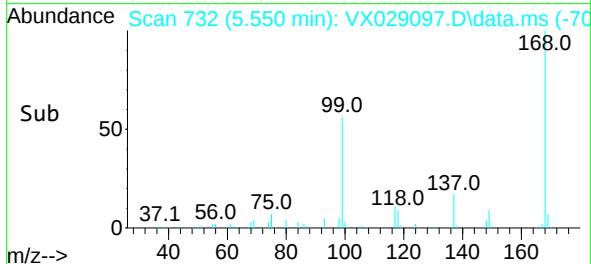
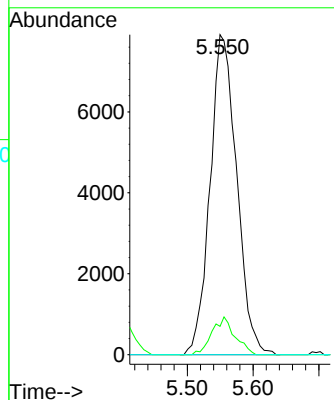
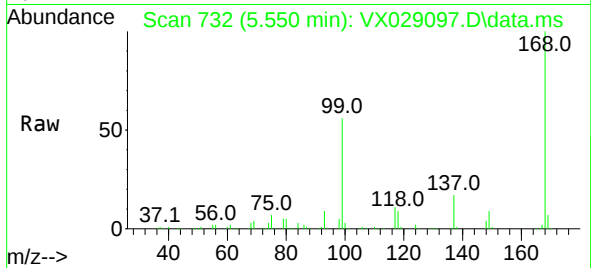




#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

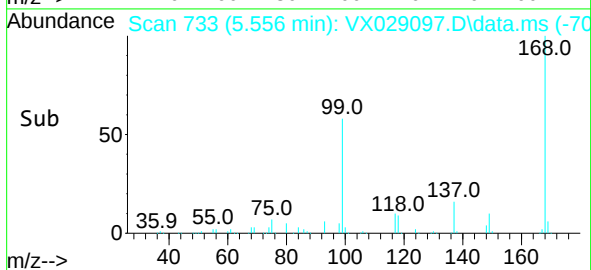
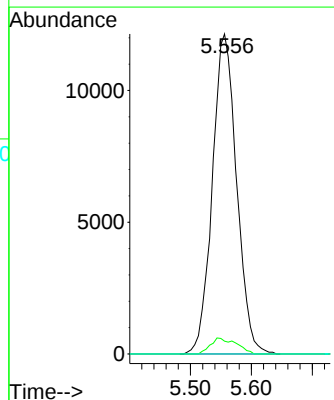
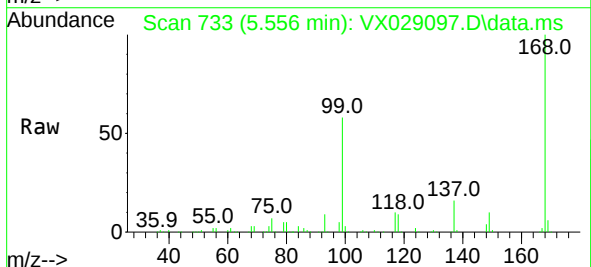
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

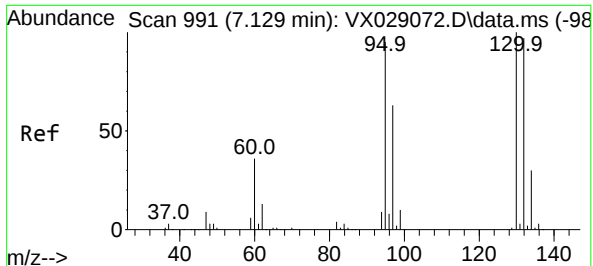
Tgt Ion: 75 Resp: 22286
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 117 Resp: 33628
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 24.2 36.2#

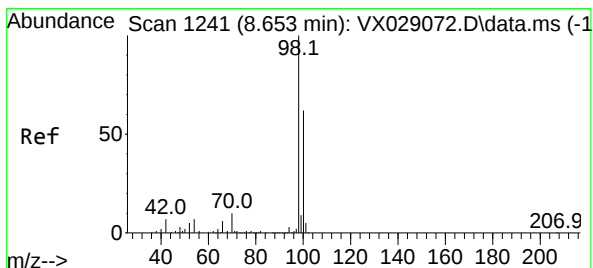
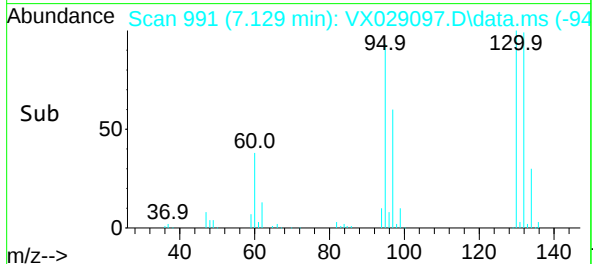
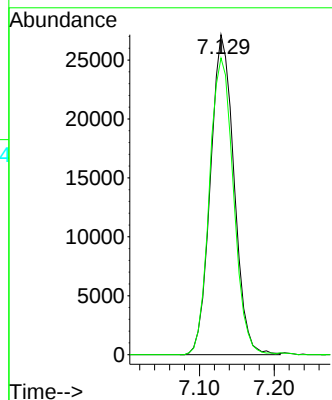
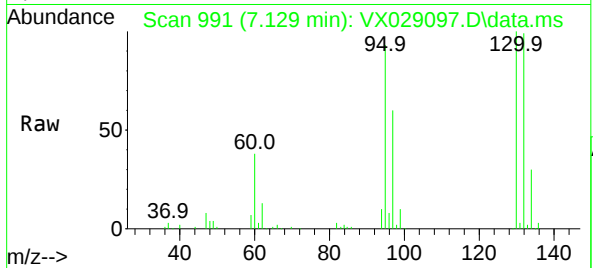




#44
Trichloroethene
Concen: 13.253 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

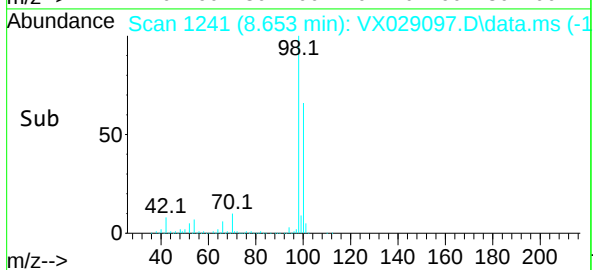
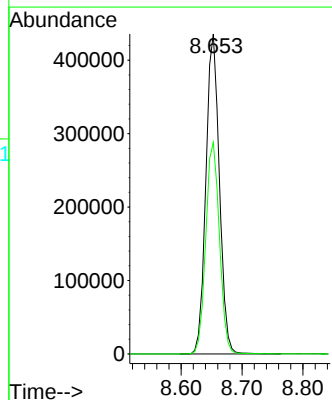
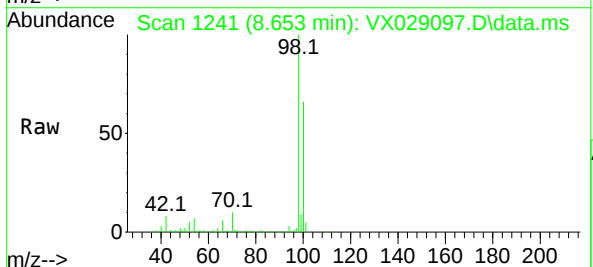
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

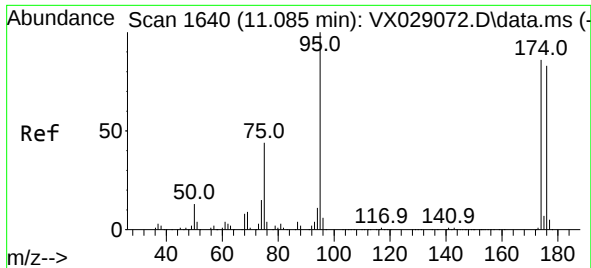
Tgt Ion:130 Resp: 59441
Ion Ratio Lower Upper
130 100
95 92.7 0.0 188.8



#50
Toluene-d8
Concen: 47.938 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 98 Resp: 669933
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

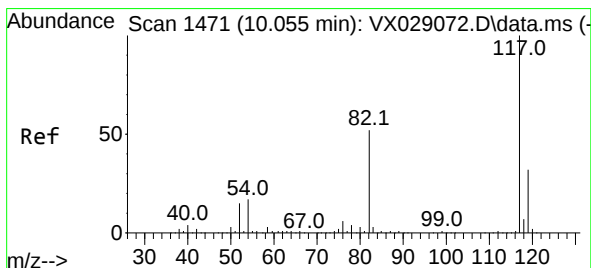
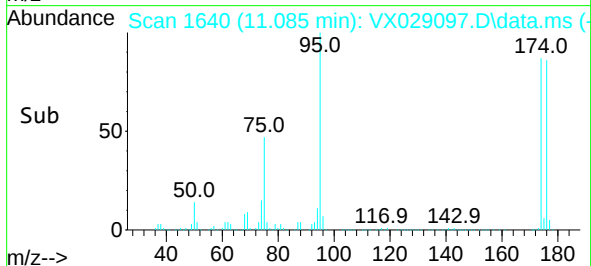
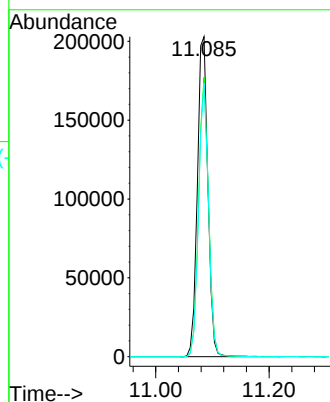
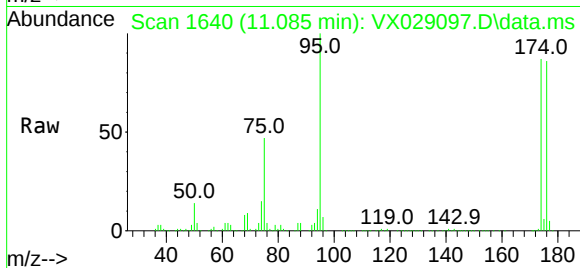




#62
4-Bromofluorobenzene
Concen: 48.310 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

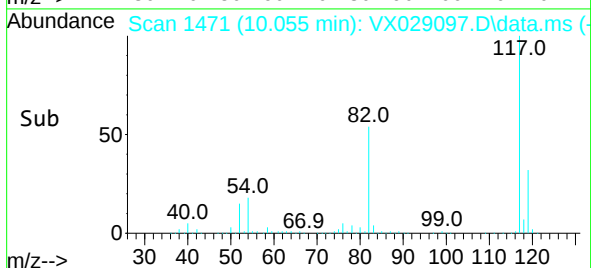
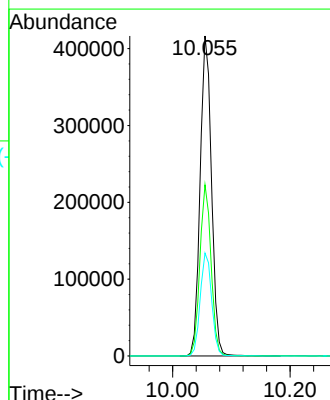
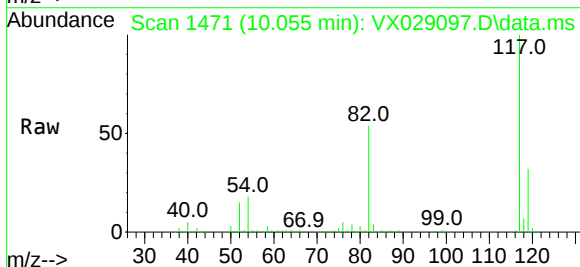
Instrument :
MSVOA_X
ClientSampleId :
20BR-20220525

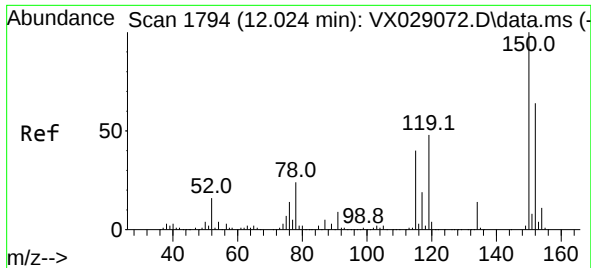
Tgt Ion: 95 Resp: 260972
Ion Ratio Lower Upper
95 100
174 82.8 0.0 163.0
176 81.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029097.D
Acq: 01 Jun 2022 00:19

Tgt Ion: 117 Resp: 557339
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 32.1 24.8 37.2

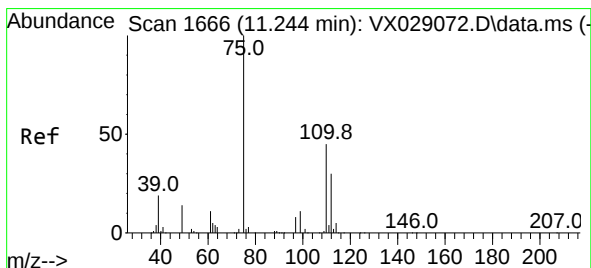
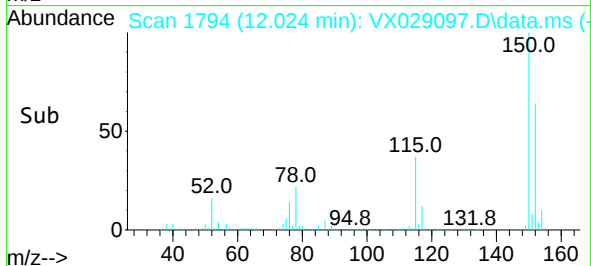
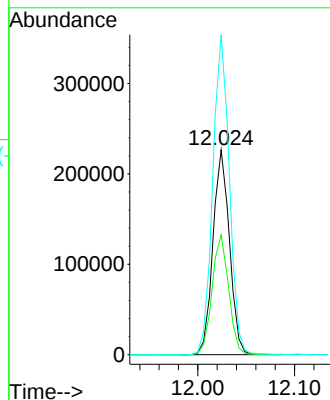
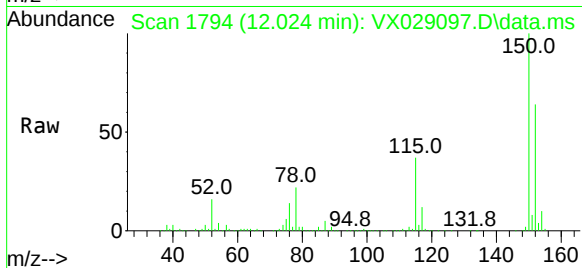




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029097.D
 Acq: 01 Jun 2022 00:19

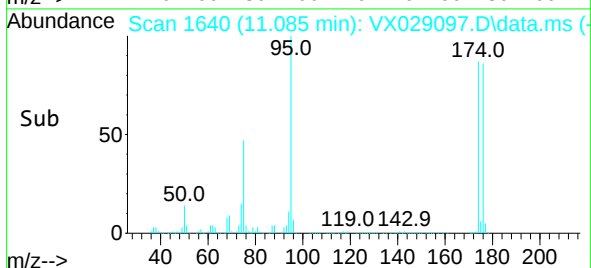
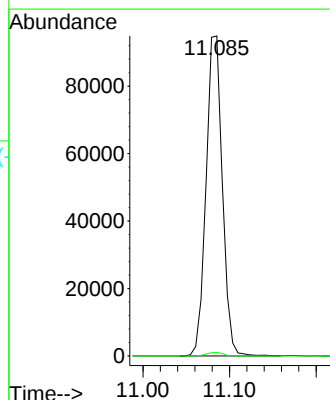
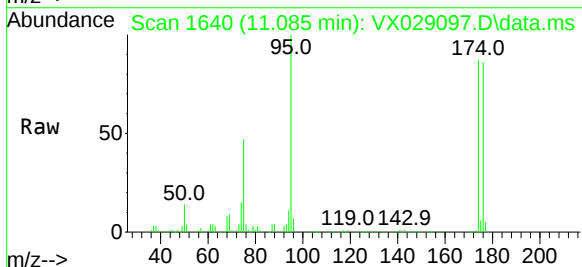
Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20220525

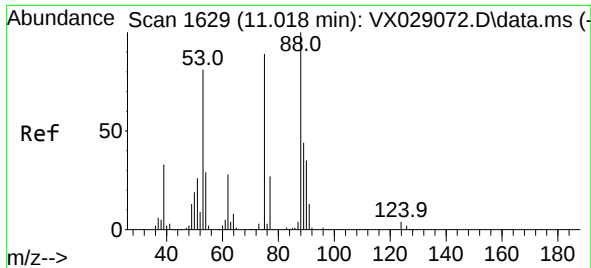
Tgt Ion:152 Resp: 268455
 Ion Ratio Lower Upper
 152 100
 115 58.8 37.5 112.7
 150 157.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.808 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX029097.D
 Acq: 01 Jun 2022 00:19

Tgt Ion: 75 Resp: 124123
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.915 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX029097.D
 Acq: 01 Jun 2022 00:19

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20220525

Tgt Ion: 75 Resp: 124123
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

