

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029198.D
 Acq On : 03 Jun 2022 18:22
 Operator : JC/MD
 Sample : N3164-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 37BR-20220531

Quant Time: Jun 06 02:36:32 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)

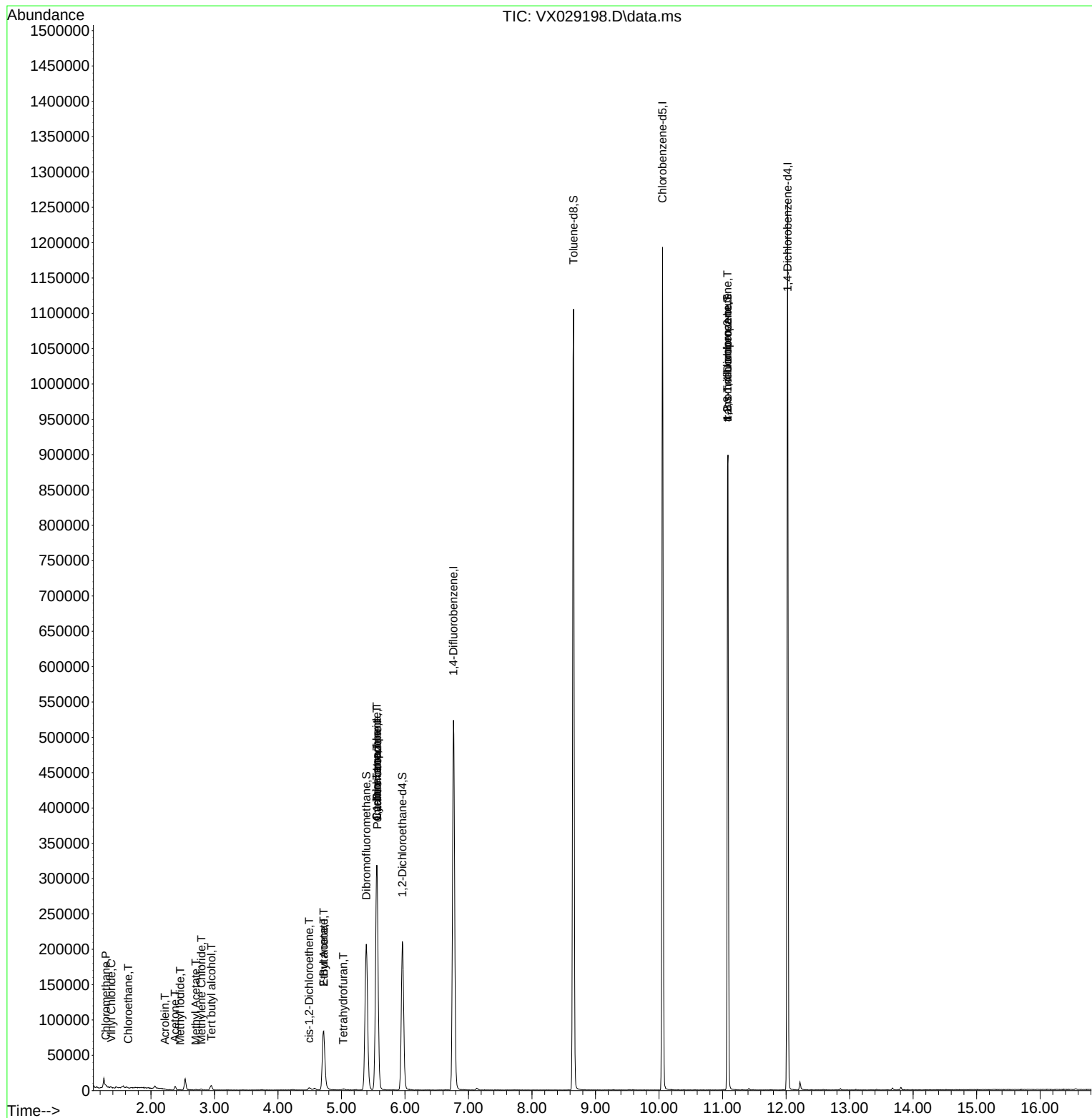
Internal Standards						
1) Pentafluorobenzene	5.562	168	303361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	561868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	545747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	250674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199280	58.255	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.500%
35) Dibromofluoromethane	5.391	113	185437	49.688	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.380%
50) Toluene-d8	8.653	98	666578	48.835	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	262348	49.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	642	0.233	ug/l #	84
4) Vinyl Chloride	1.374	62	608	0.200	ug/l #	54
5) Bromomethane	1.611	94	799	Below Cal	#	73
6) Chloroethane	1.642	64	429	1.562	ug/l #	43
10) Methyl Iodide	2.459	142	390	4.331	ug/l #	68
11) Tert butyl alcohol	2.953	59	3966	5.005	ug/l #	78
13) Acrolein	2.221	56	75	0.209	ug/l #	83
16) Acetone	2.380	43	5611	4.165	ug/l	95
18) Methyl Acetate	2.703	43	994	0.285	ug/l #	84
20) Methylene Chloride	2.794	84	637	0.203	ug/l #	87
25) 2-Butanone	4.721	43	146401	67.375	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	2409	0.655	ug/l	91
29) Tetrahydrofuran	5.026	42	920	0.660	ug/l #	88
31) Cyclohexane	5.556	56	5564	1.251	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23107	4.812	ug/l #	50
37) Ethyl Acetate	4.721	43	146789	31.541	ug/l	99
38) Carbon Tetrachloride	5.556	117	31270	5.698	ug/l #	14
44) Trichloroethene	7.135	130	1003	Below Cal		70
76) 1,2,3-Trichloropropane	11.079	75	126518	24.897	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	126518	73.044	ug/l #	15

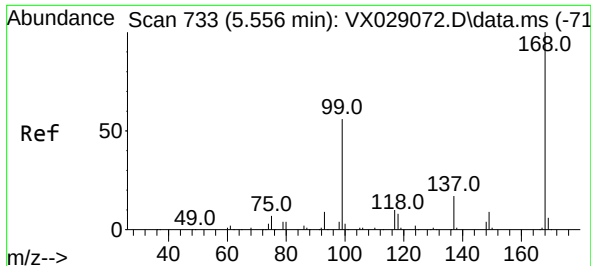
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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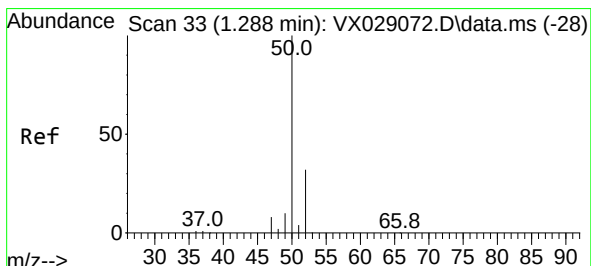
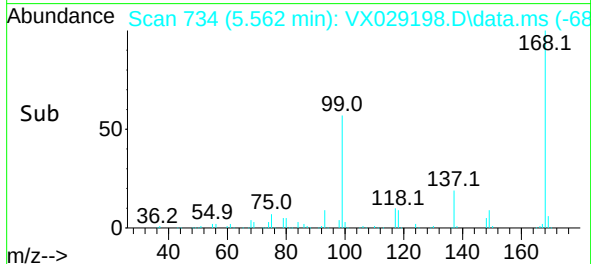
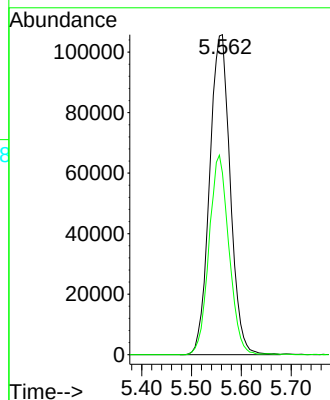
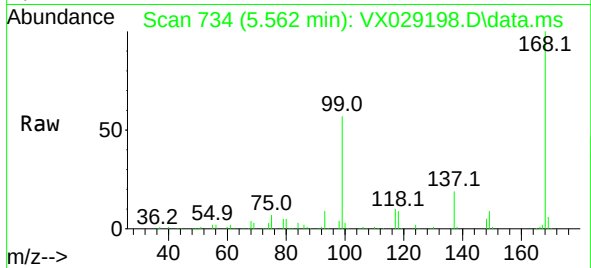




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

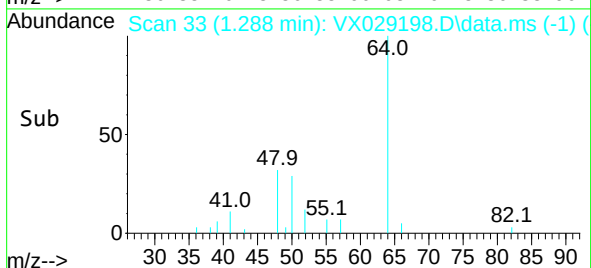
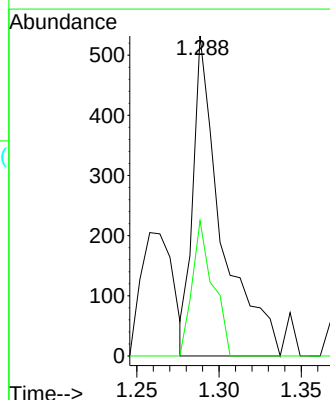
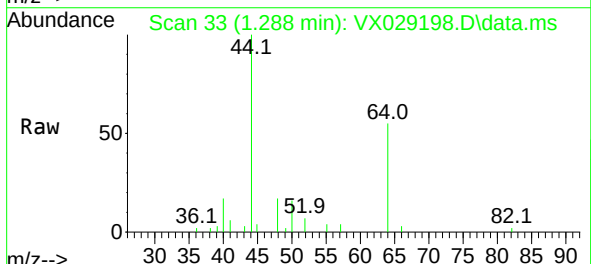
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

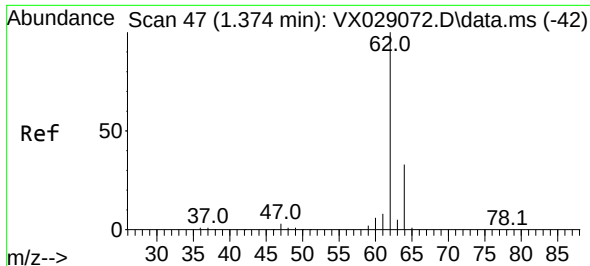
Tgt Ion:168 Resp: 303361
Ion Ratio Lower Upper
168 100
99 56.8 41.7 62.5



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 42.3 26.4 39.6#

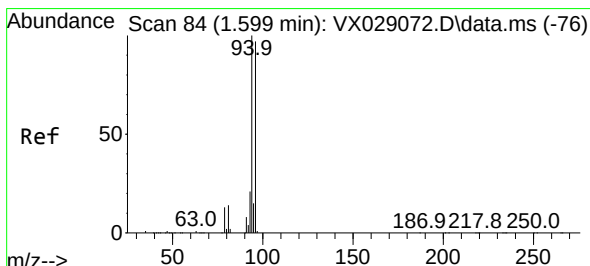
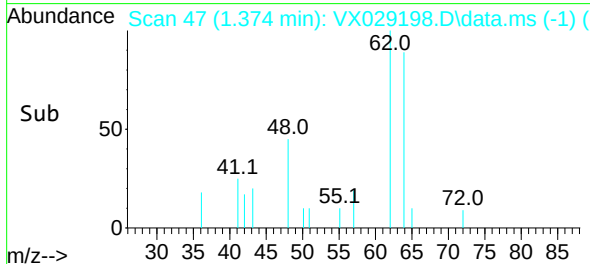
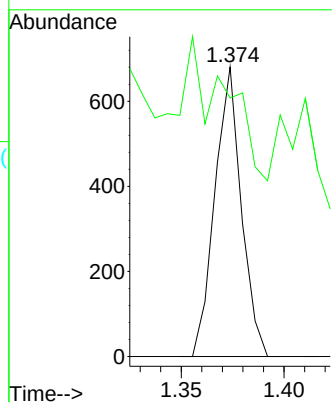
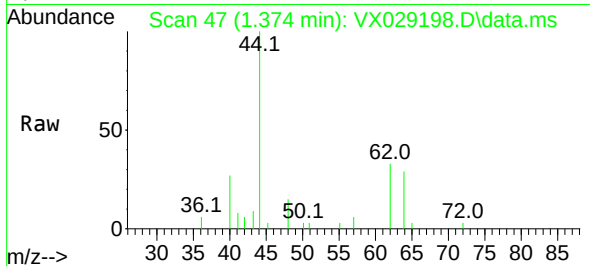




#4
 Vinyl Chloride
 Concen: 0.200 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029198.D
 Acq: 03 Jun 2022 18:22

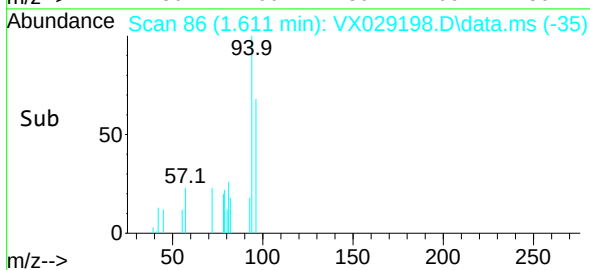
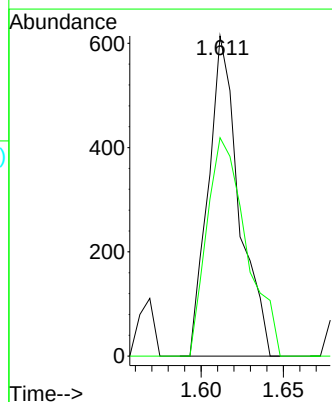
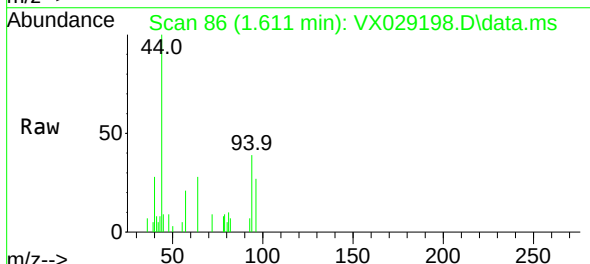
Instrument :
 MSVOA_X
 ClientSampleId :
 37BR-20220531

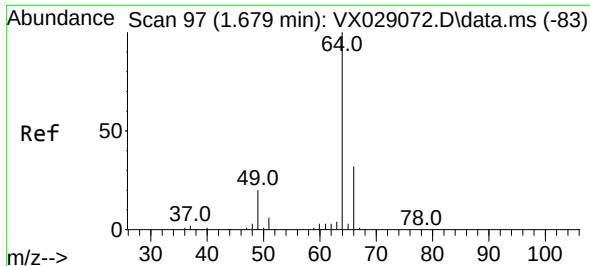
Tgt Ion: 62 Resp: 608
 Ion Ratio Lower Upper
 62 100
 64 6.0 25.5 38.3#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX029198.D
 Acq: 03 Jun 2022 18:22

Tgt Ion: 94 Resp: 799
 Ion Ratio Lower Upper
 94 100
 96 68.2 75.3 112.9#

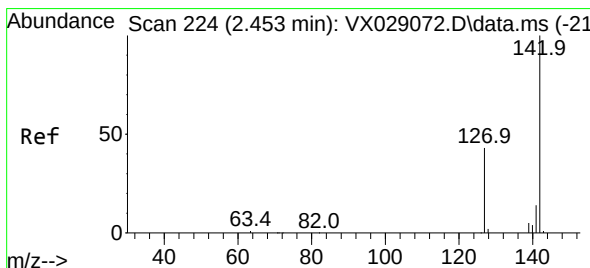
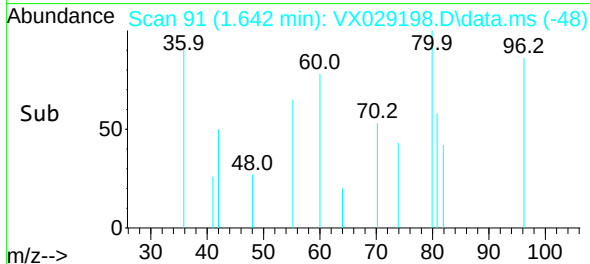
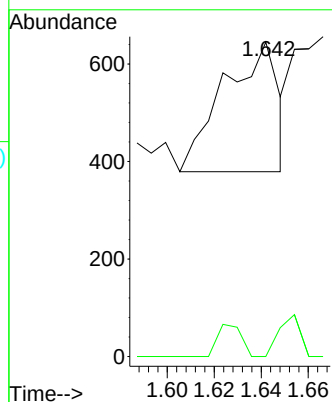
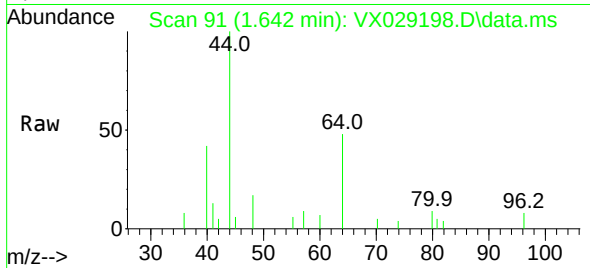




#6
Chloroethane
Concen: 1.562 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

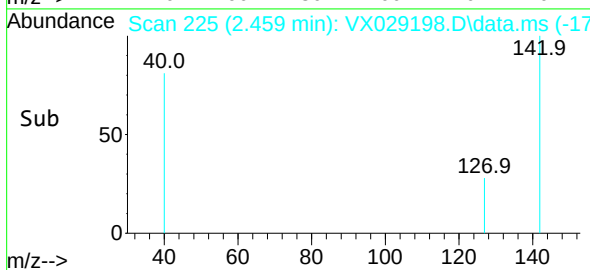
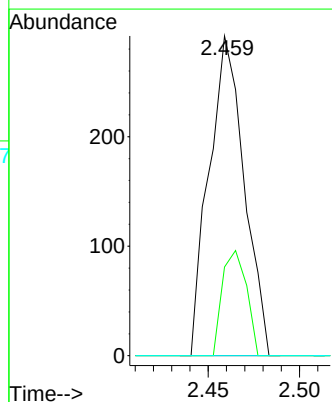
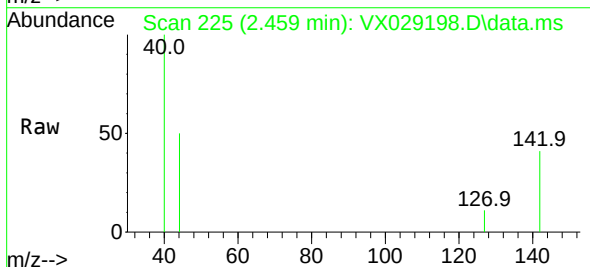
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

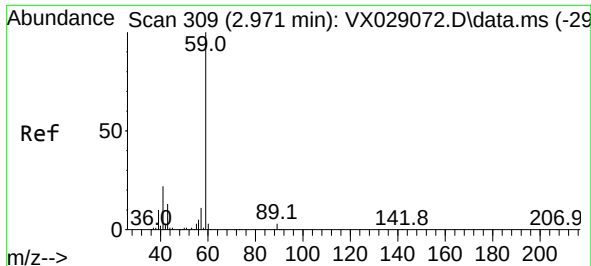
Tgt Ion: 64 Resp: 429
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.331 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 142 Resp: 390
Ion Ratio Lower Upper
142 100
127 22.6 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 5.005 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.018 min

Lab File: VX029198.D

Acq: 03 Jun 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

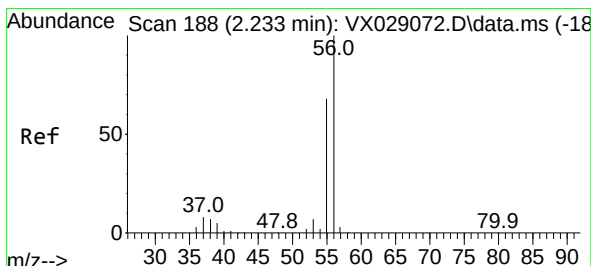
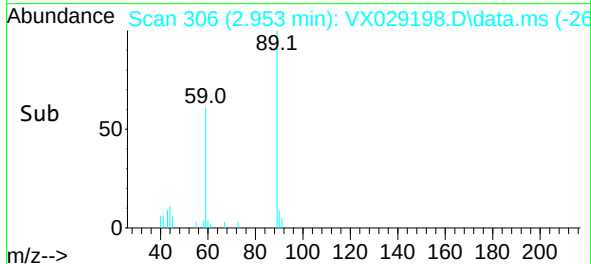
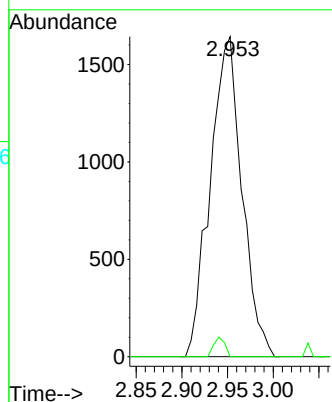
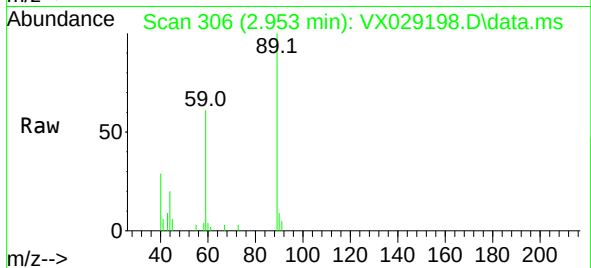
37BR-20220531

Tgt Ion: 59 Resp: 3966

Ion Ratio Lower Upper

59 100

57 2.1 8.3 12.5#



#13

Acrolein

Concen: 0.209 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX029198.D

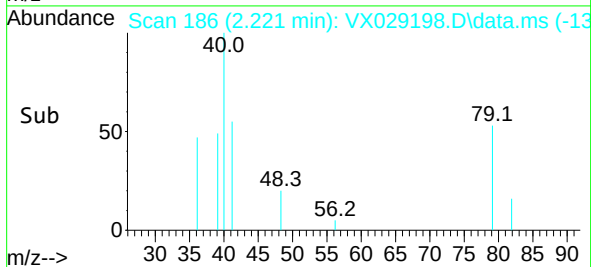
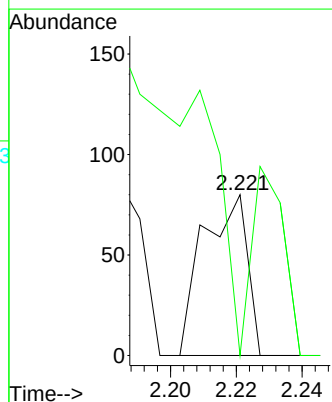
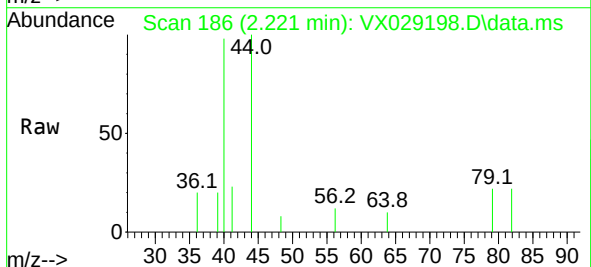
Acq: 03 Jun 2022 18:22

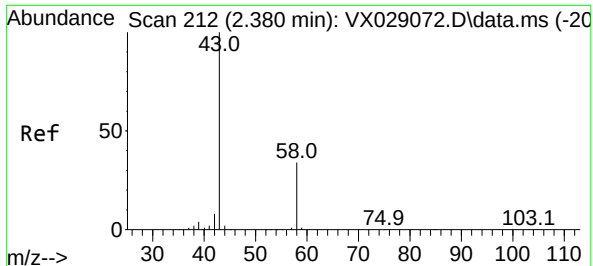
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 82.7 55.0 82.6#

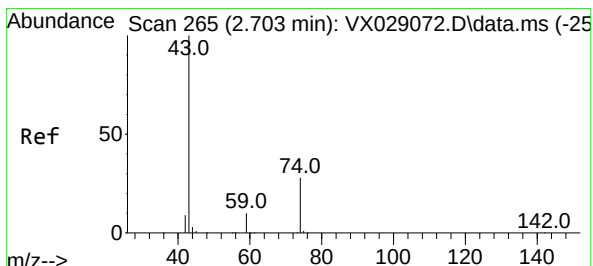
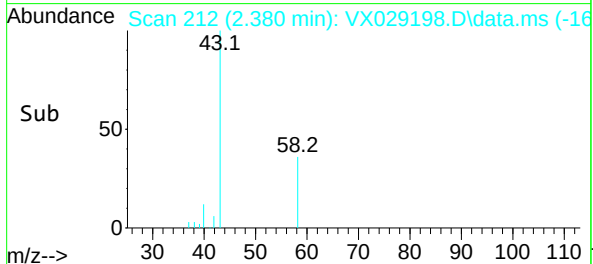
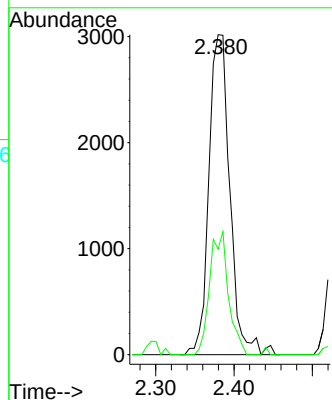
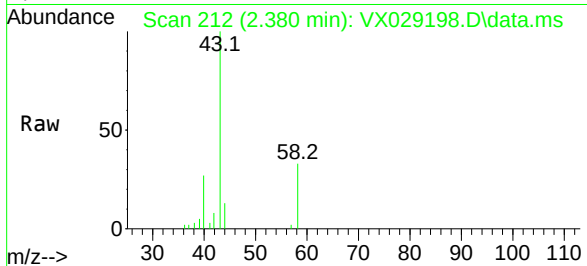




#16
Acetone
Concen: 4.165 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

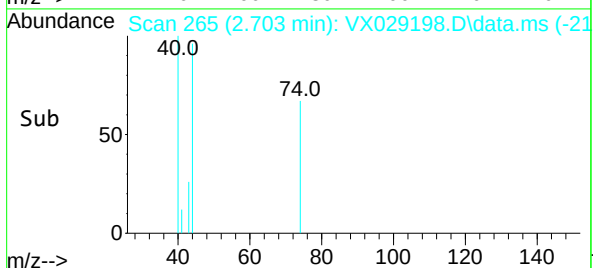
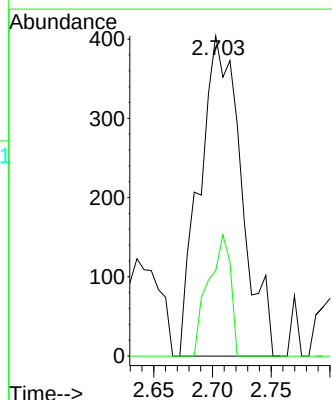
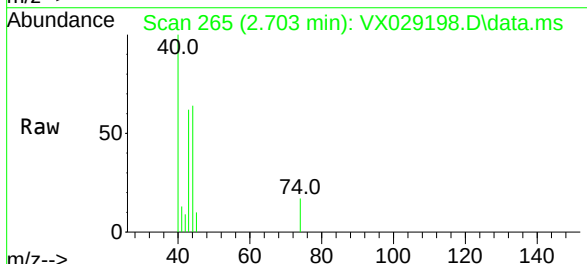
Instrument :
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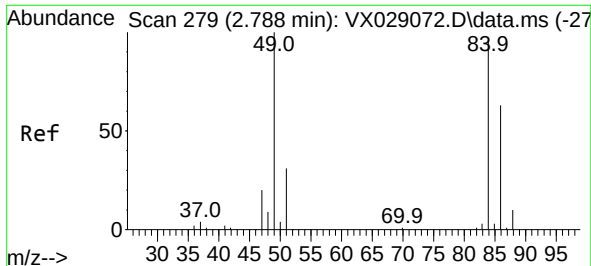
Tgt Ion: 43 Resp: 5611
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

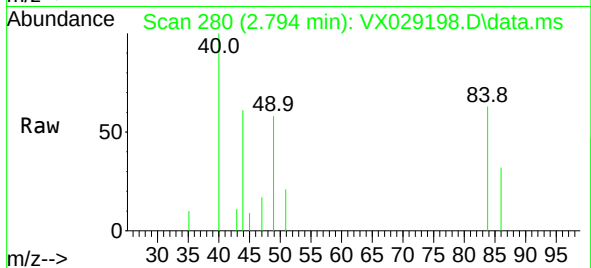
Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
74 20.2 22.8 34.2#



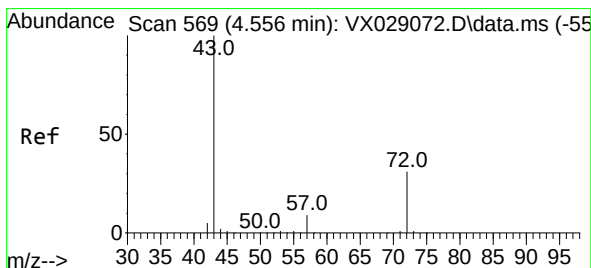
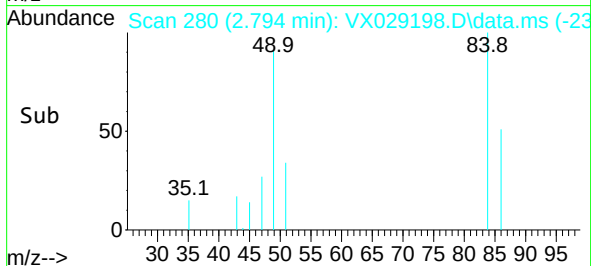
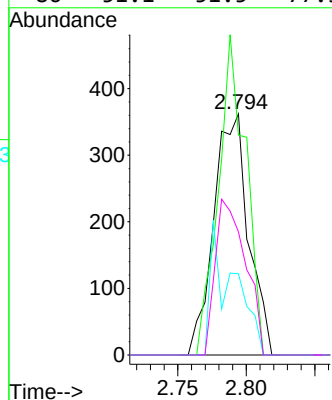


#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Instrument :
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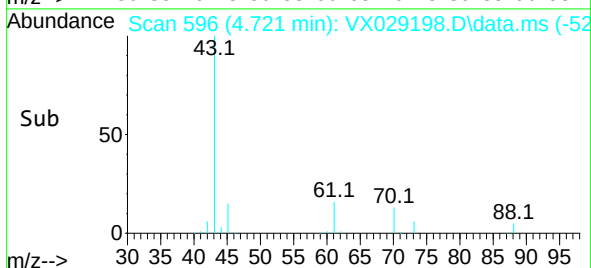
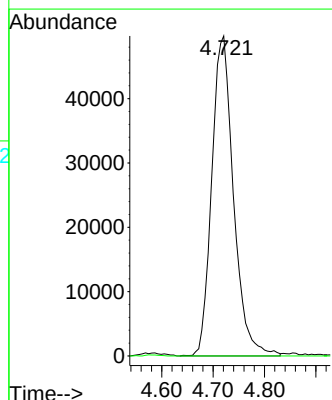
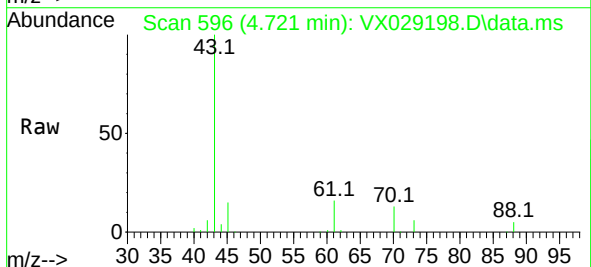


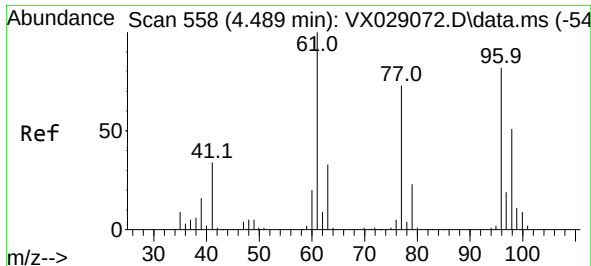
Tgt Ion: 84 Resp: 637
Ion Ratio Lower Upper
84 100
49 91.2 85.5 128.3
51 33.7 26.6 39.8
86 51.1 51.5 77.3#



#25
2-Butanone
Concen: 67.375 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.165 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 43 Resp: 146401
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 0.655 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX029198.D

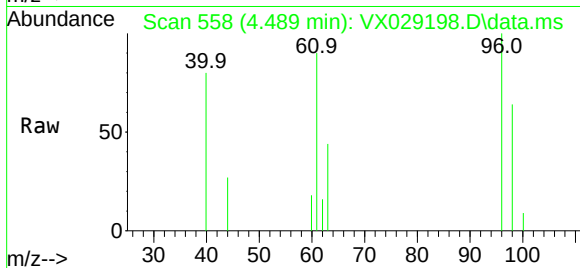
Acq: 03 Jun 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

37BR-20220531



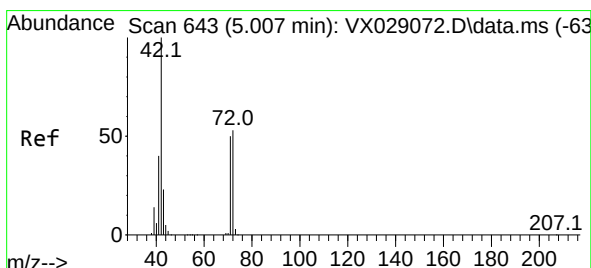
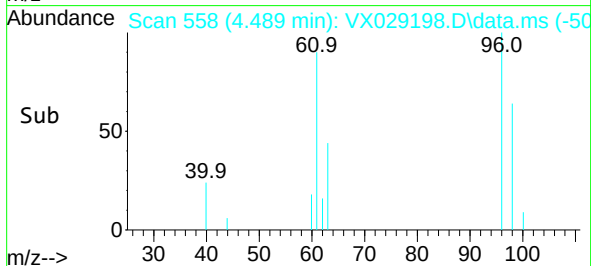
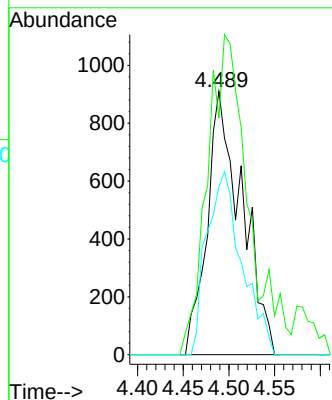
Tgt Ion: 96 Resp: 2409

Ion Ratio Lower Upper

96 100

61 130.2 0.0 283.8

98 70.4 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.660 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX029198.D

Acq: 03 Jun 2022 18:22

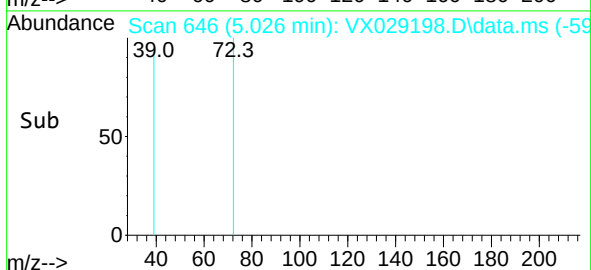
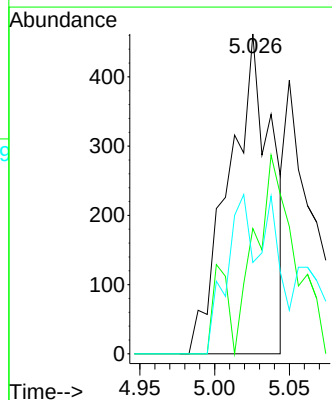
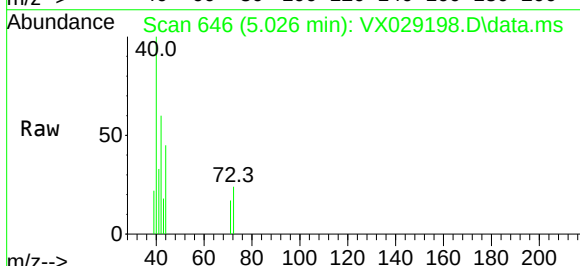
Tgt Ion: 42 Resp: 920

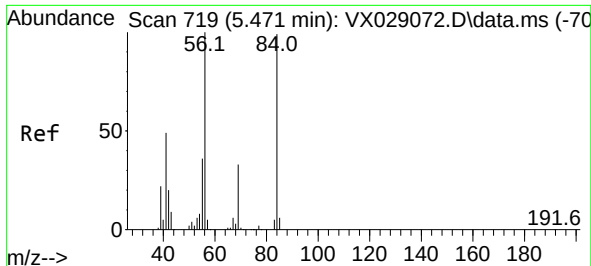
Ion Ratio Lower Upper

42 100

72 56.7 44.1 66.1

71 35.7 40.5 60.7#

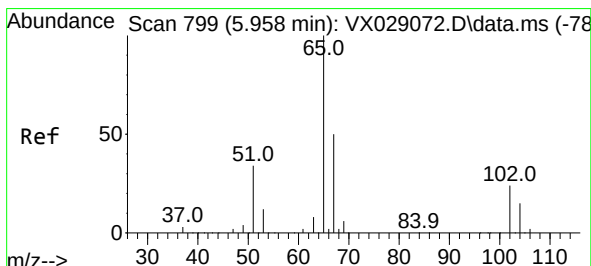
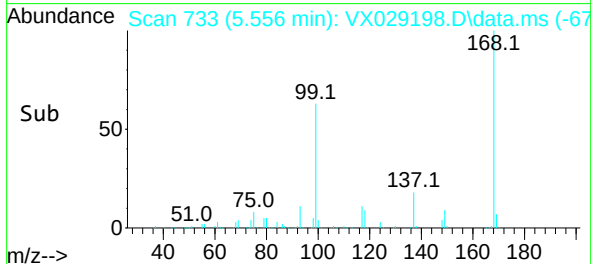
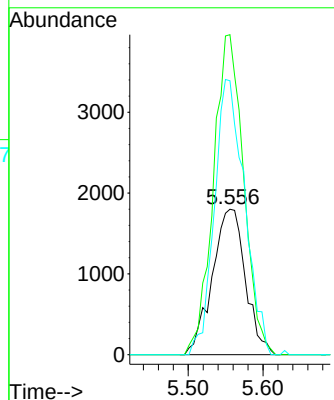
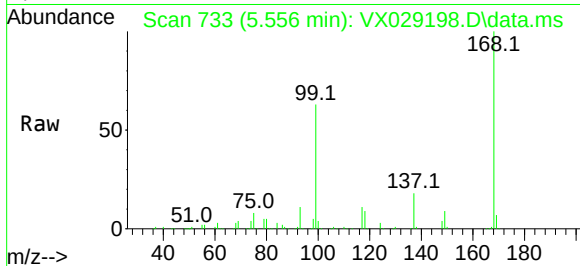




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

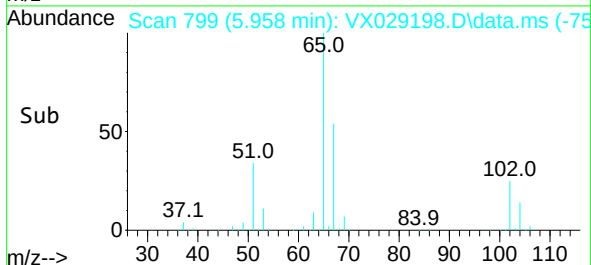
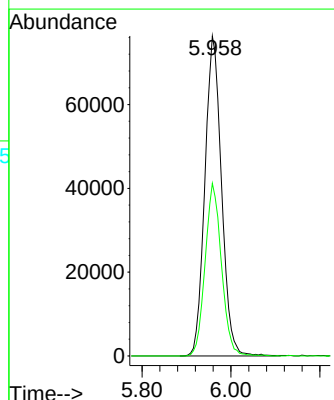
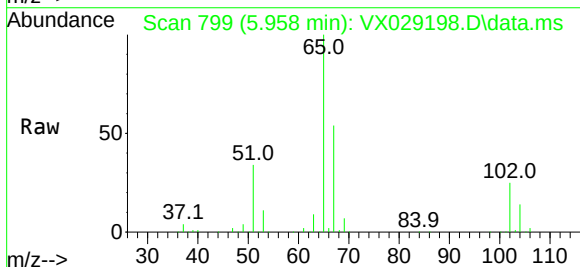
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

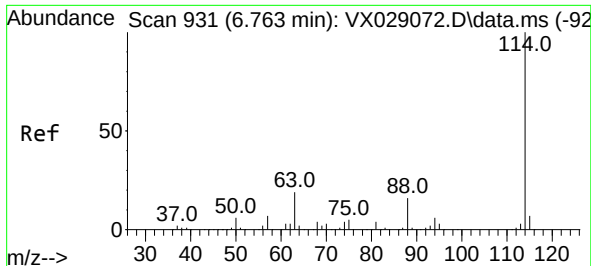
Tgt Ion: 56 Resp: 5564
Ion Ratio Lower Upper
56 100
69 219.9 26.7 40.1#
84 188.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.255 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 65 Resp: 199280
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

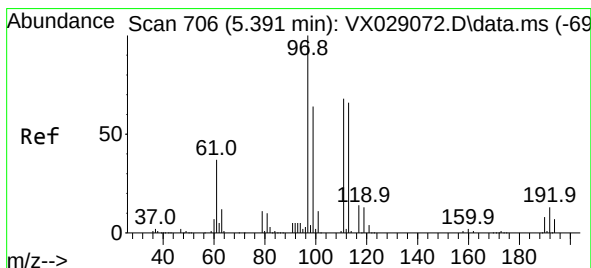
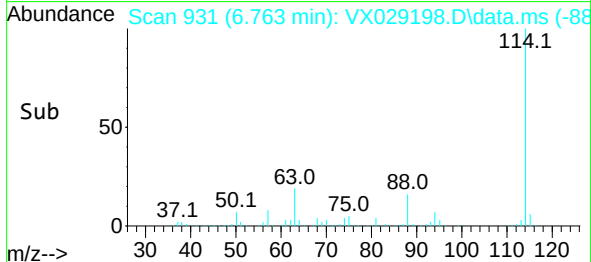
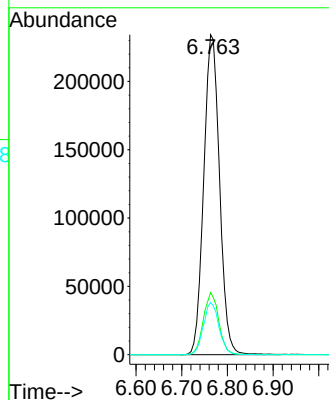
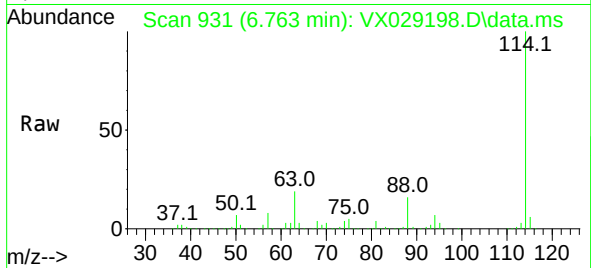




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

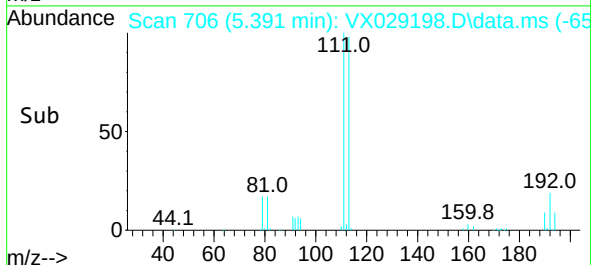
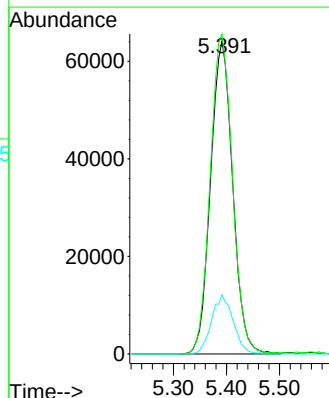
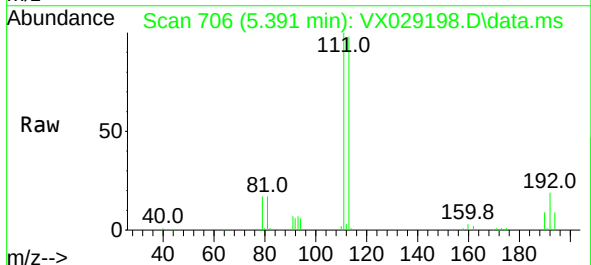
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

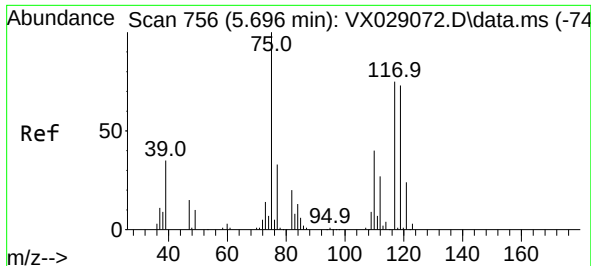
Tgt Ion:114 Resp: 561868
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.688 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion:113 Resp: 185437
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.5 16.9 25.3

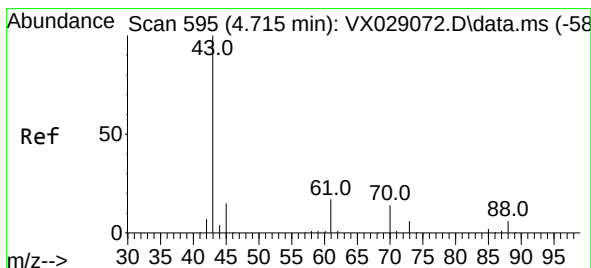
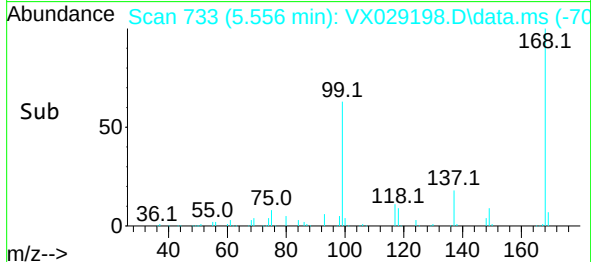
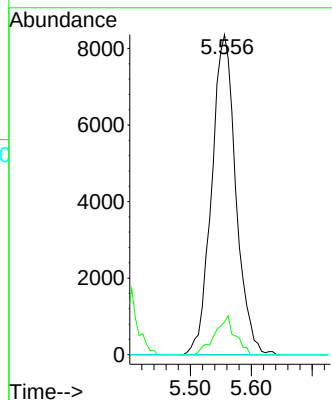
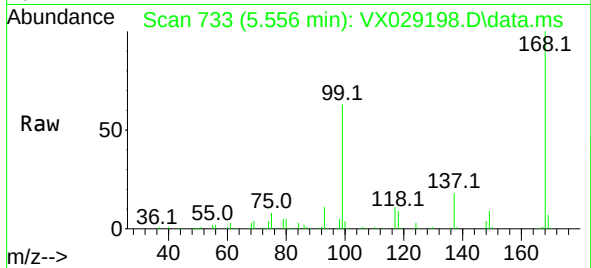




#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

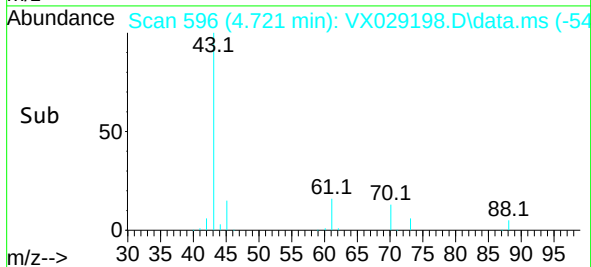
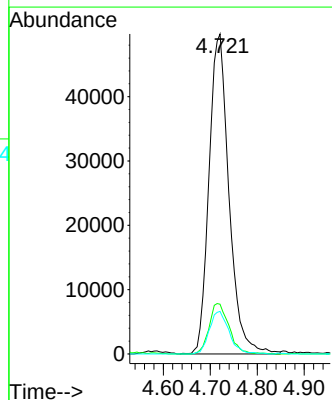
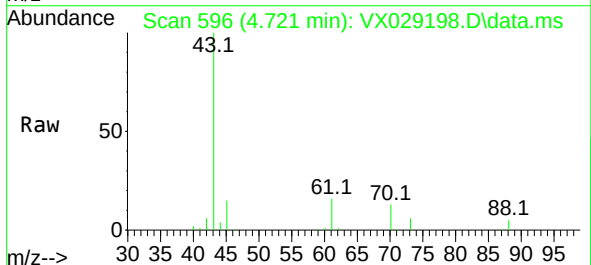
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

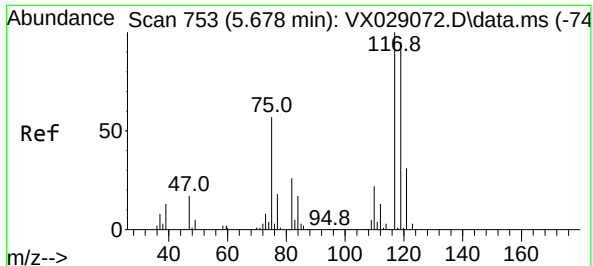
Tgt Ion: 75 Resp: 23107
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 31.541 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

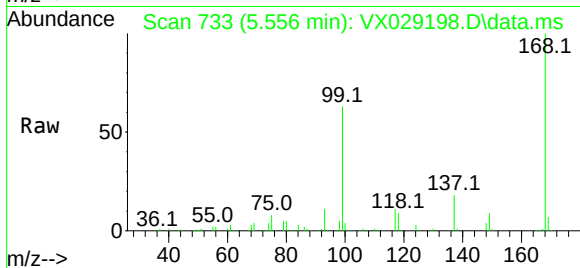
Tgt Ion: 43 Resp: 146789
Ion Ratio Lower Upper
43 100
61 15.5 12.6 19.0
70 13.2 10.2 15.2



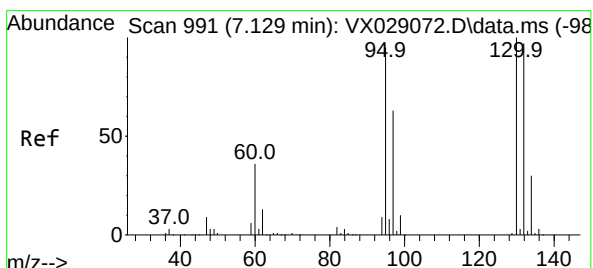
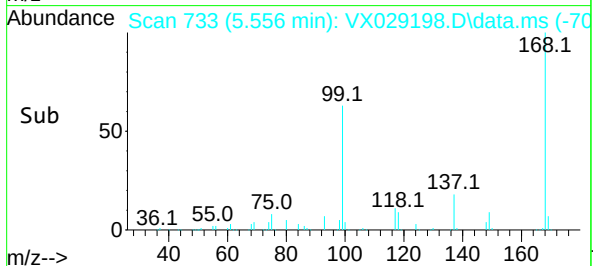
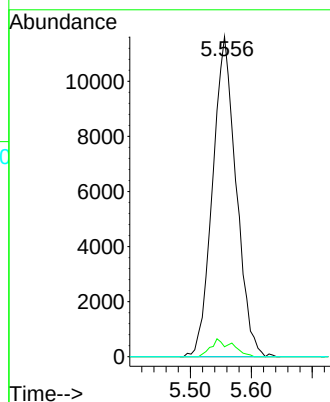


#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

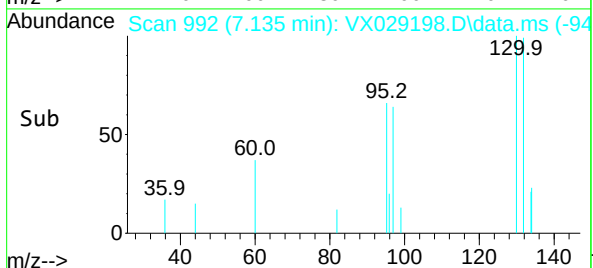
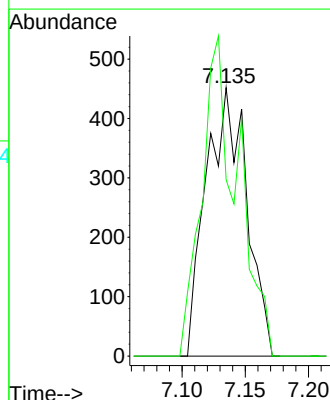
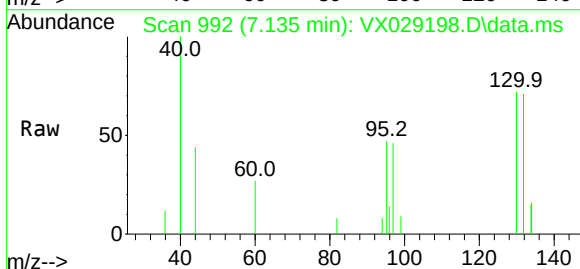


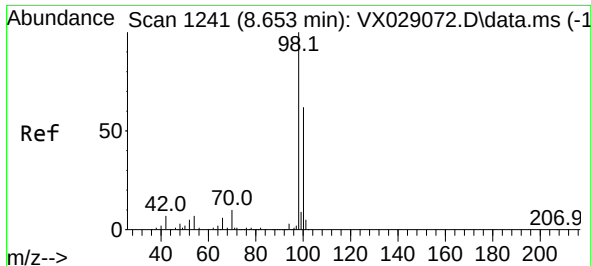
Tgt Ion:117 Resp: 31270
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion:130 Resp: 1003
Ion Ratio Lower Upper
130 100
95 65.7 0.0 188.8

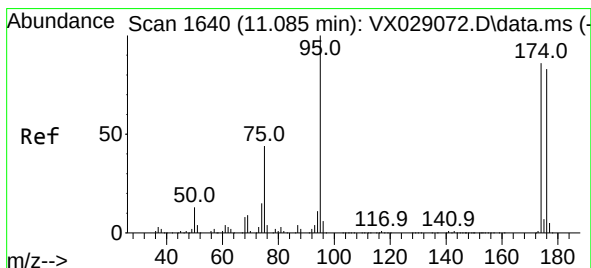
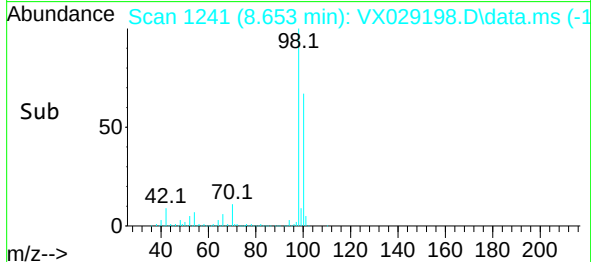
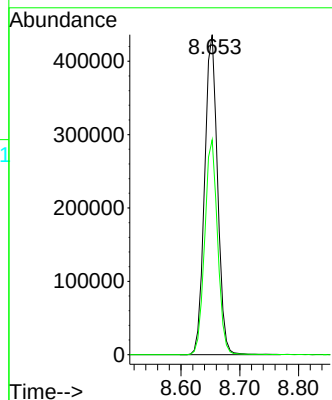
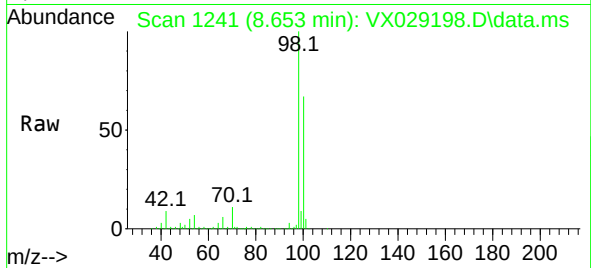




#50
Toluene-d8
Concen: 48.835 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

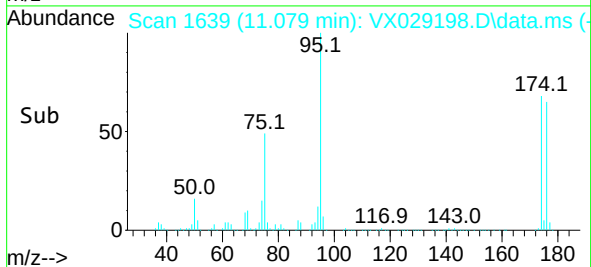
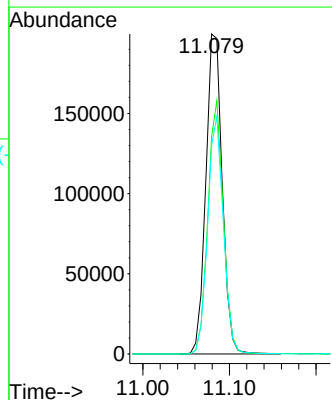
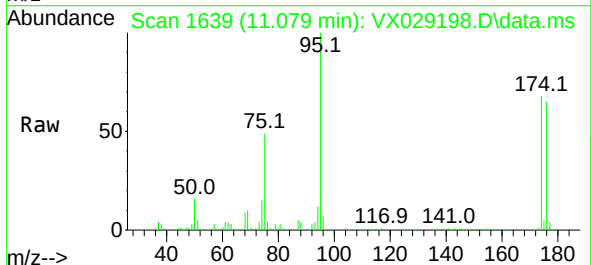
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

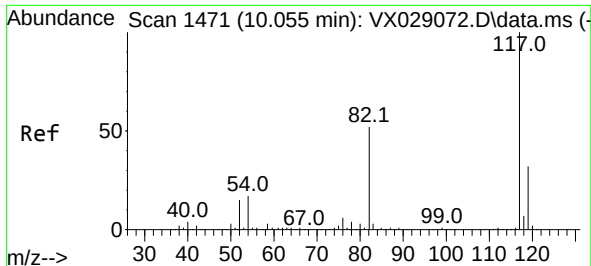
Tgt Ion: 98 Resp: 666578
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 95 Resp: 262348
Ion Ratio Lower Upper
95 100
174 75.3 0.0 163.0
176 71.2 0.0 155.0

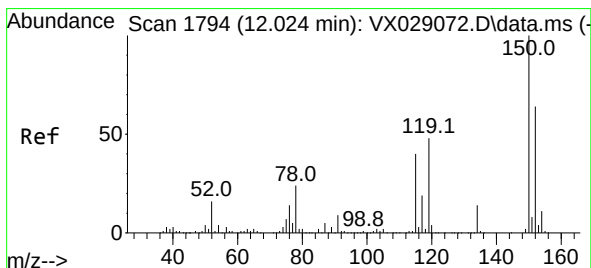
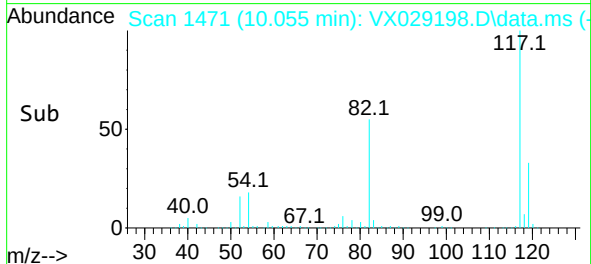
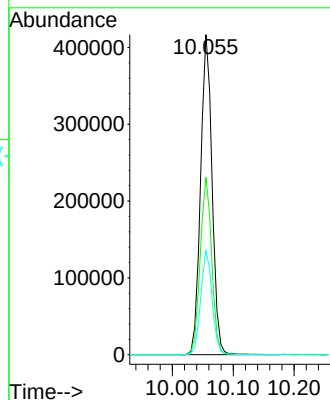
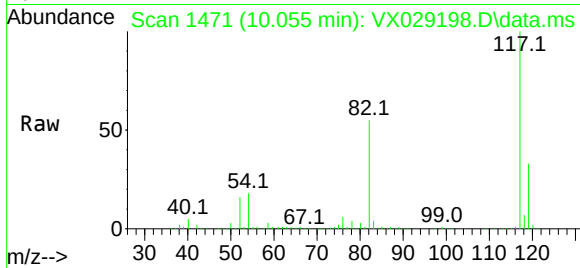




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

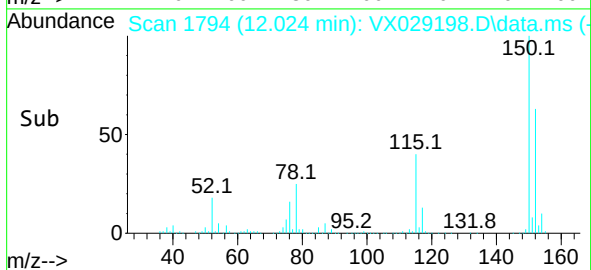
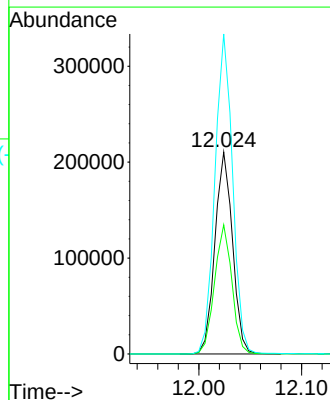
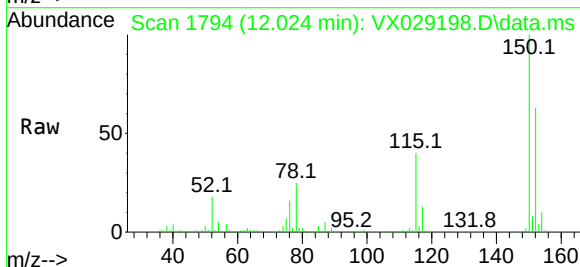
Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

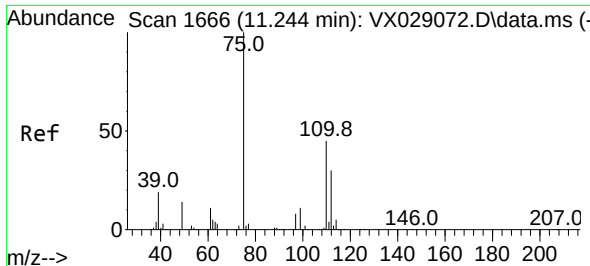
Tgt Ion:117 Resp: 545747
Ion Ratio Lower Upper
117 100
82 55.4 41.8 62.8
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion:152 Resp: 250674
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 159.3 0.0 338.2

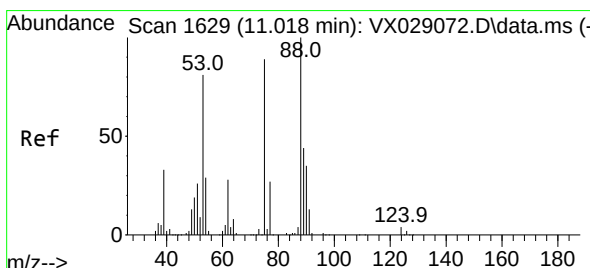
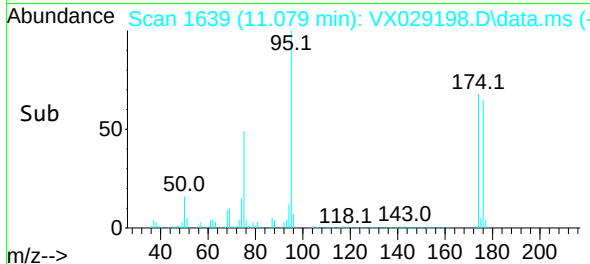
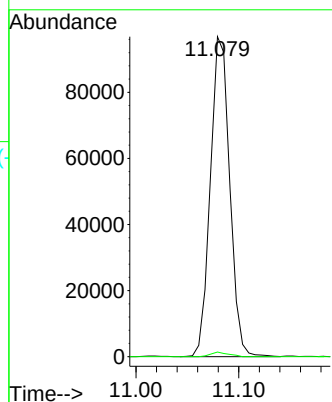
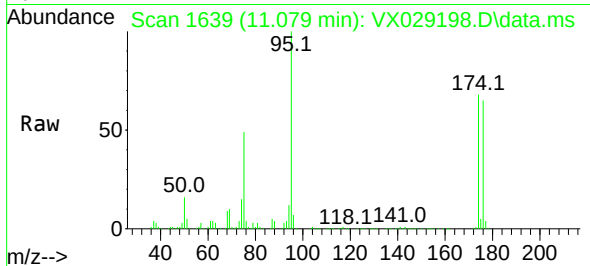




#76
1,2,3-Trichloropropane
Concen: 24.897 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :
37BR-20220531

Tgt Ion: 75 Resp: 126518
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.044 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029198.D
Acq: 03 Jun 2022 18:22

Tgt Ion: 75 Resp: 126518
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

