

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038671.D
 Acq On : 09 Nov 2023 11:34
 Operator : JC/MD
 Sample : VX1109WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 03:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

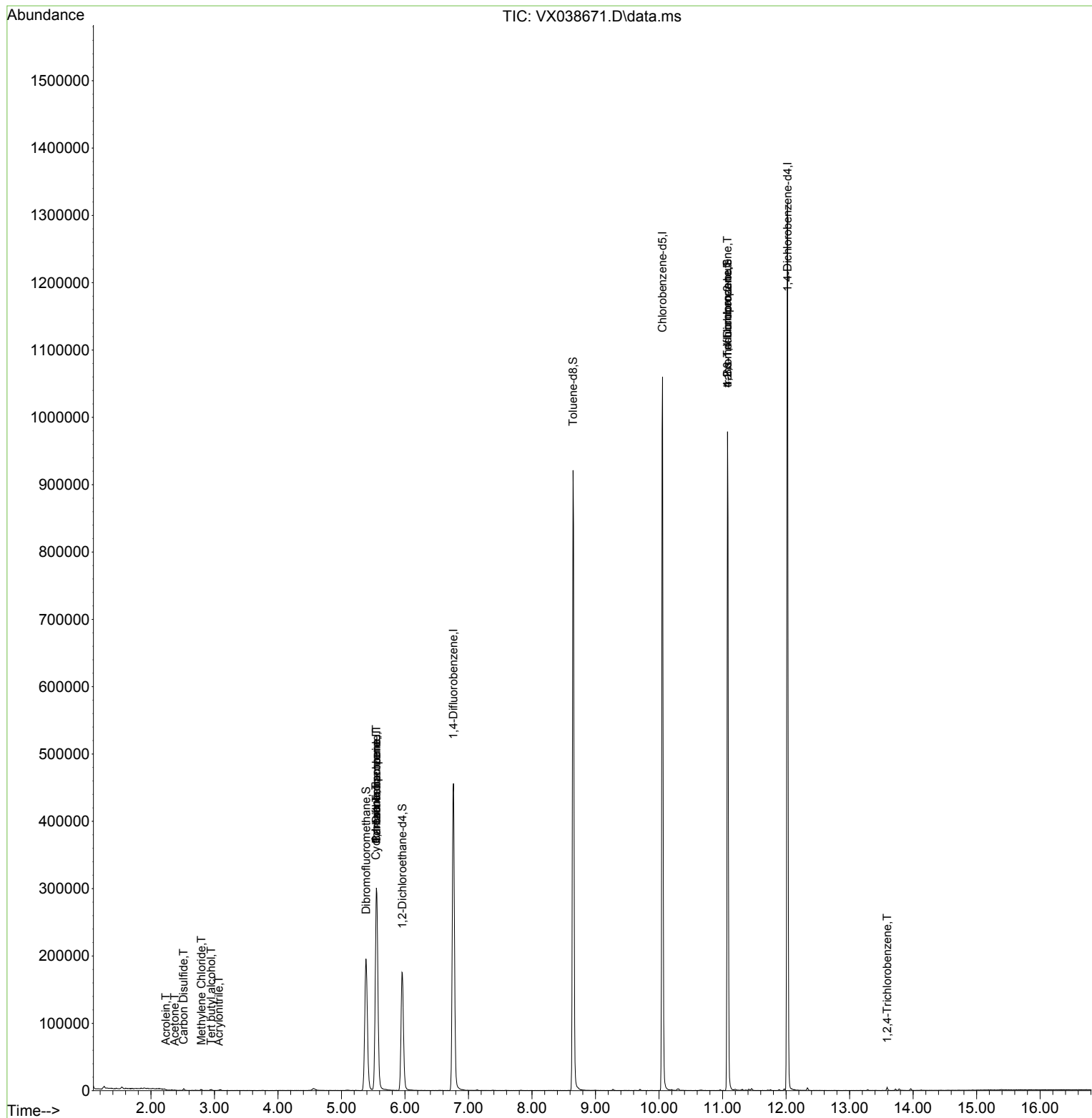
Internal Standards						
1) Pentafluorobenzene	5.550	168	312293	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	509735	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	520012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	311384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179351	46.130	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	92.260%	
35) Dibromofluoromethane	5.385	113	173112	47.153	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.300%	
50) Toluene-d8	8.647	98	588218	44.775	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.540%#	
62) 4-Bromofluorobenzene	11.079	95	266885	52.397	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	104.800%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.947	59	871	1.096	ug/l	# 78
13) Acrolein	2.233	56	141	0.234	ug/l	# 52
15) Acrylonitrile	3.069	53	389	0.232	ug/l	# 82
16) Acetone	2.374	43	468	0.286	ug/l	# 69
17) Carbon Disulfide	2.514	76	2845	0.367	ug/l	# 98
20) Methylene Chloride	2.794	84	858	0.260	ug/l	# 69
31) Cyclohexane	5.544	56	5402	1.255	ug/l	# 2
36) 1,1-Dichloropropene	5.550	75	21014	4.608	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	29367	5.760	ug/l	# 15
76) 1,2,3-Trichloropropane	11.079	75	129781	21.045	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	129781	63.954	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1427	0.204	ug/l	91

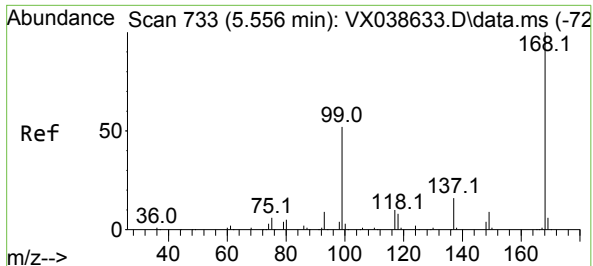
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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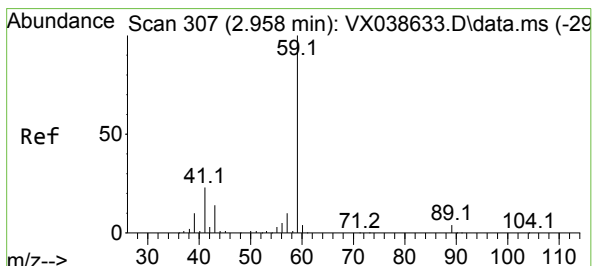
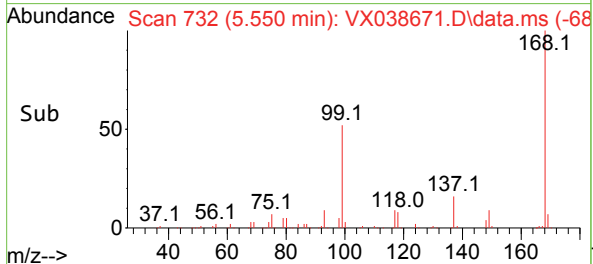
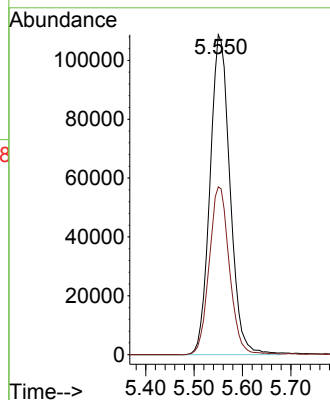
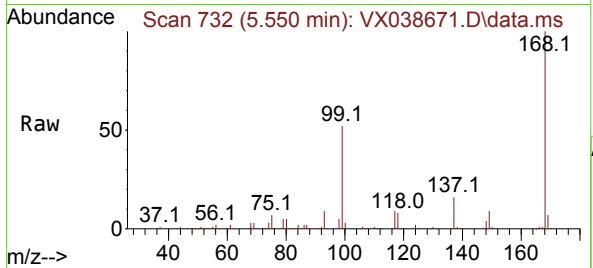




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

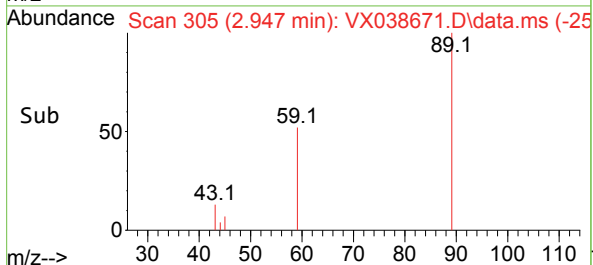
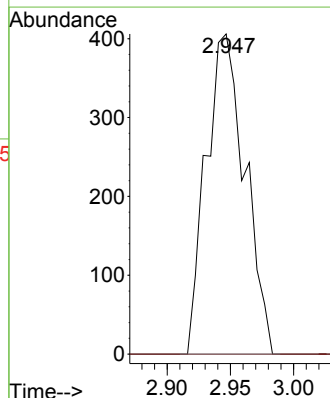
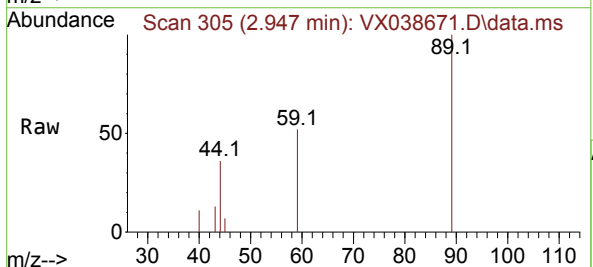
Instrument :
MSVOA_X
ClientSampleId :

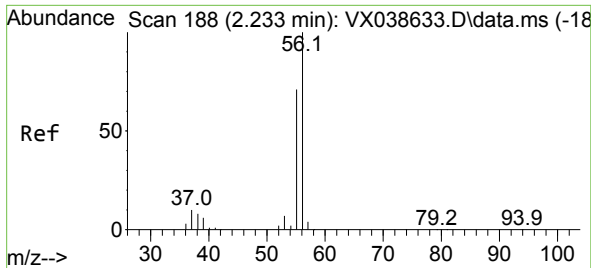
Tgt Ion:168 Resp: 312293
Ion Ratio Lower Upper
168 100
99 52.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.096 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Tgt Ion: 59 Resp: 871
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

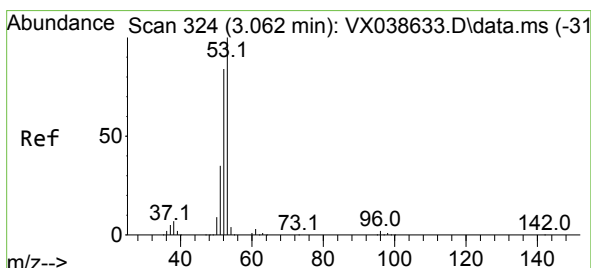
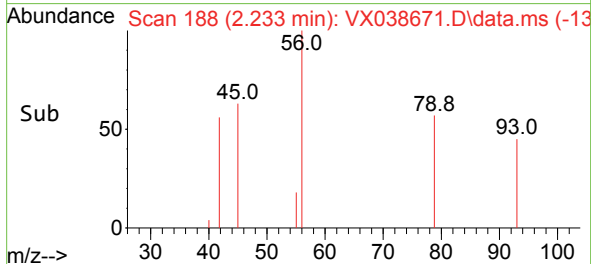
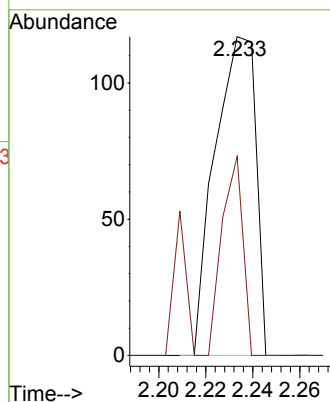
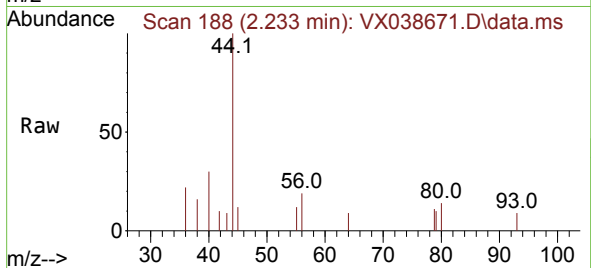




#13
Acrolein
Concen: 0.234 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

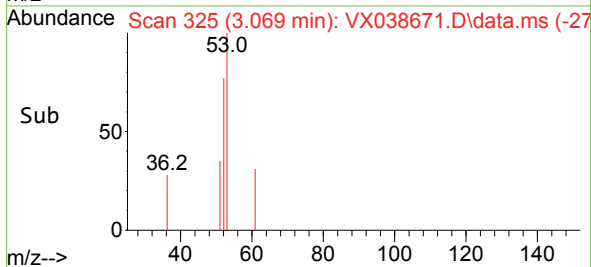
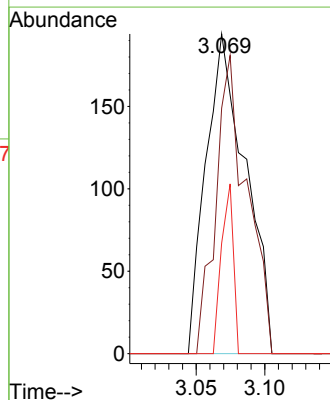
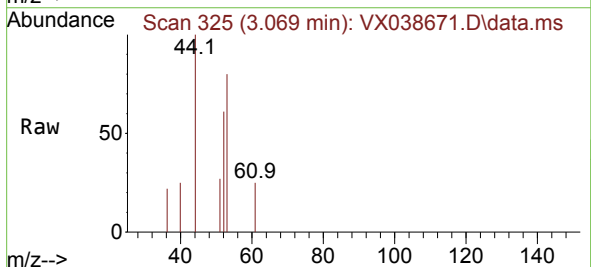
Instrument :
MSVOA_X
ClientSampleId :

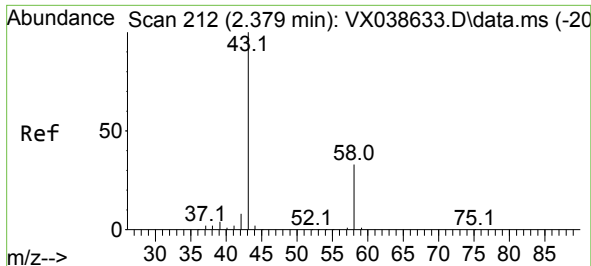
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 31.9 57.1 85.7#



#15
Acrylonitrile
Concen: 0.232 ug/l
RT: 3.069 min Scan# 325
Delta R.T. 0.007 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Tgt Ion: 53 Resp: 389
Ion Ratio Lower Upper
53 100
52 73.5 66.0 99.0
51 15.9 29.8 44.6#

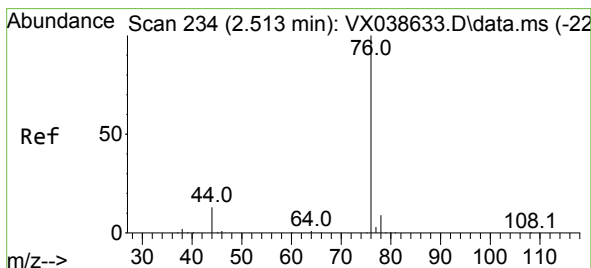
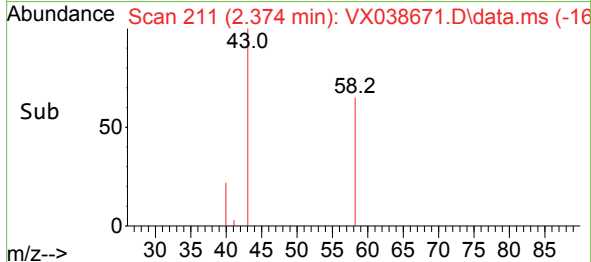
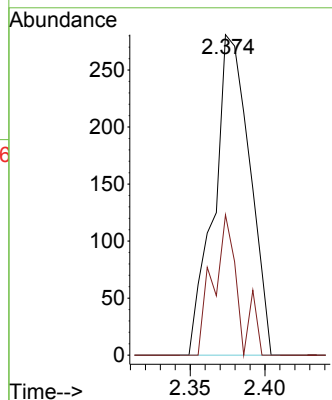
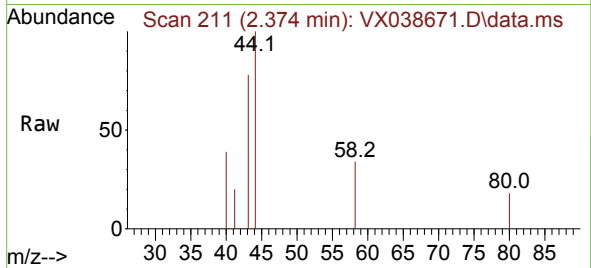




#16
Acetone
Concen: 0.286 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

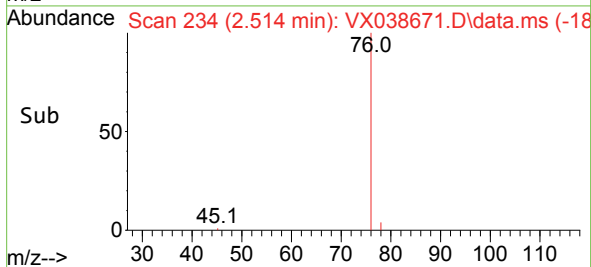
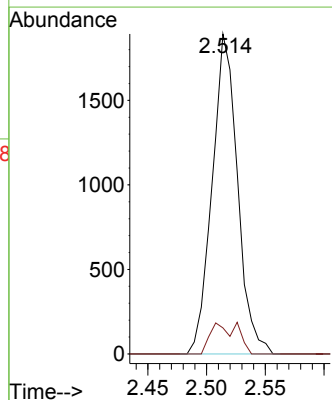
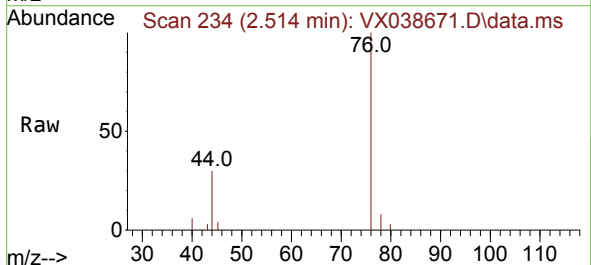
Instrument :
MSVOA_X
ClientSampleId :

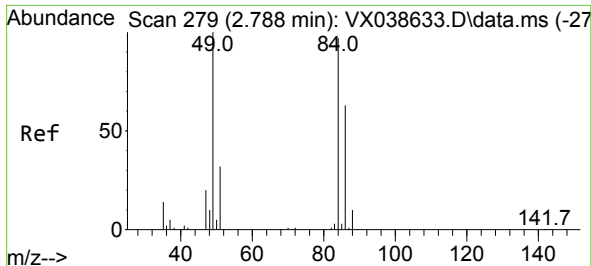
Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
58 43.8 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

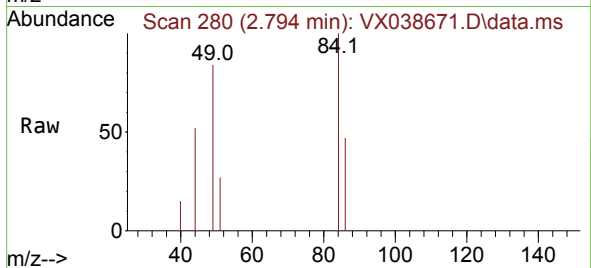
Tgt Ion: 76 Resp: 2845
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.6



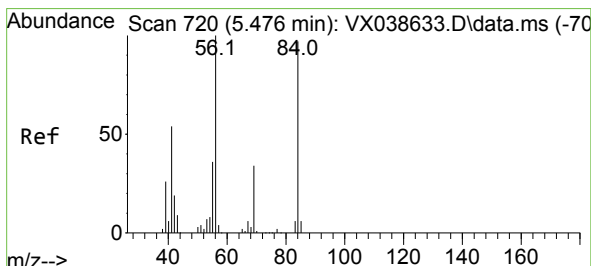
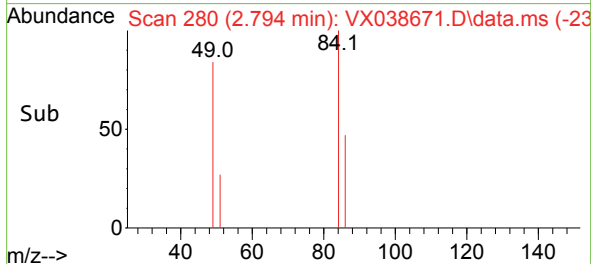
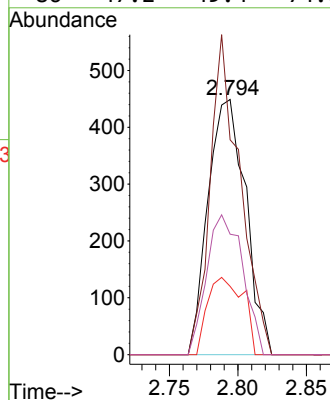


#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Instrument :
MSVOA_X
ClientSampleId :

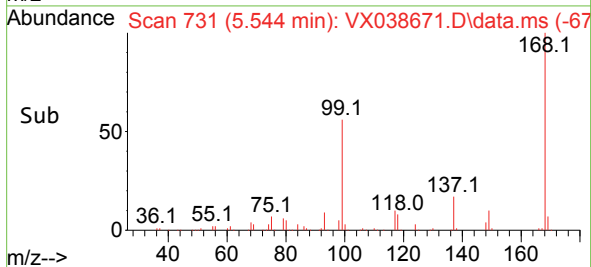
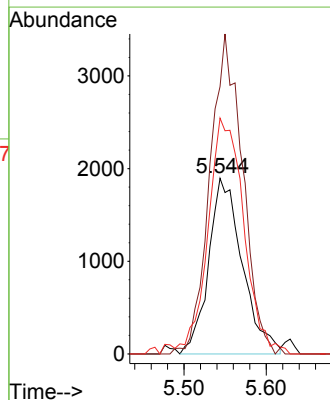
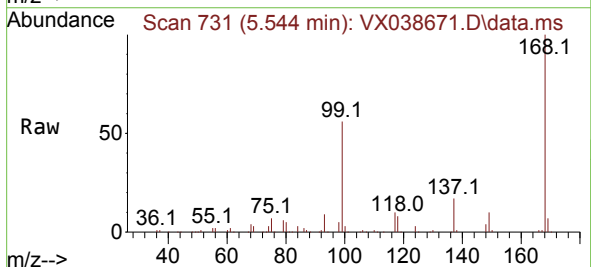


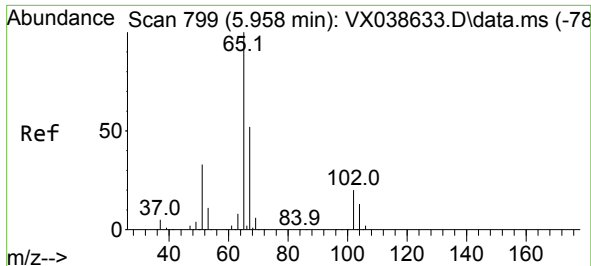
Tgt Ion:	84	Resp:	858
Ion	Ratio	Lower	Upper
84	100		
49	84.2	103.6	155.4#
51	26.7	33.8	50.6#
86	47.2	49.4	74.0#



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Tgt Ion:	56	Resp:	5402
Ion	Ratio	Lower	Upper
56	100		
69	148.9	23.4	35.2#
84	130.2	65.9	98.9#

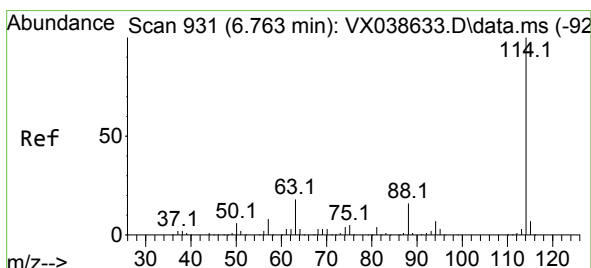
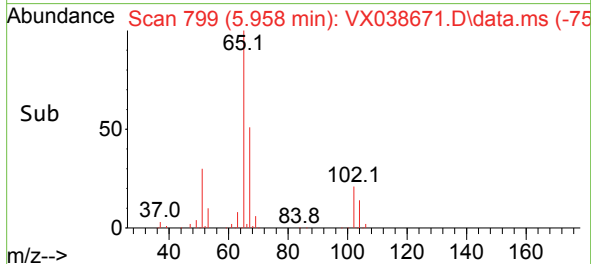
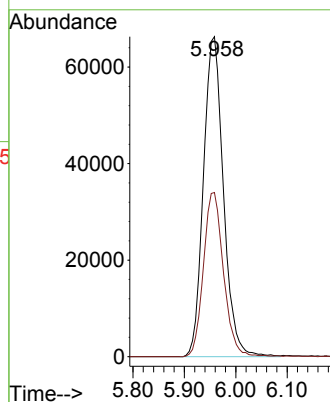
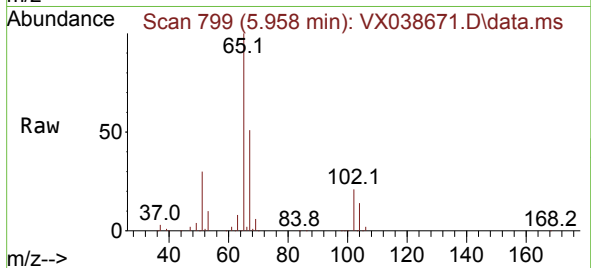




#33
1,2-Dichloroethane-d4
Concen: 46.130 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

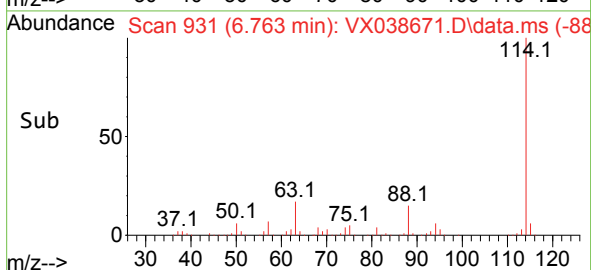
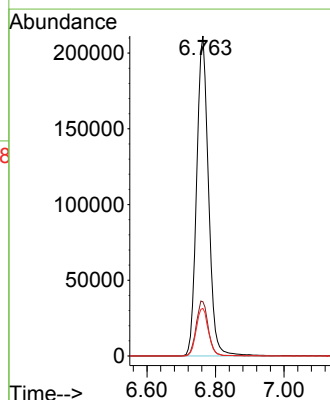
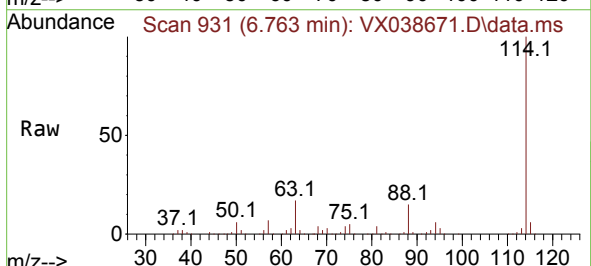
Instrument :
MSVOA_X
ClientSampleId :

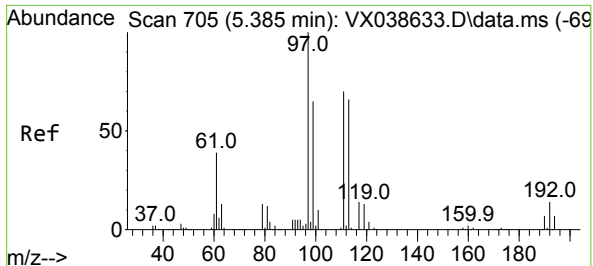
Tgt Ion: 65 Resp: 179351
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Tgt Ion:114 Resp: 509735
Ion Ratio Lower Upper
114 100
63 16.9 0.0 45.0
88 14.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.153 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

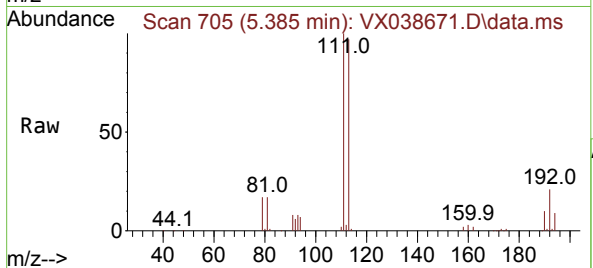
Lab File: VX038671.D

Acq: 09 Nov 2023 11:34

Instrument :

MSVOA_X

ClientSampleId :



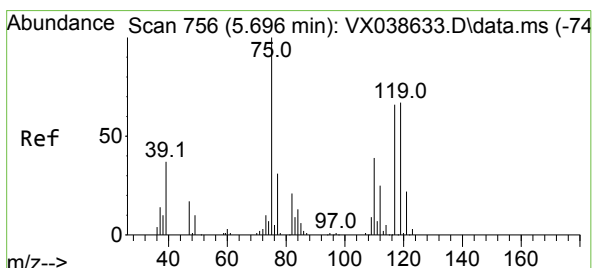
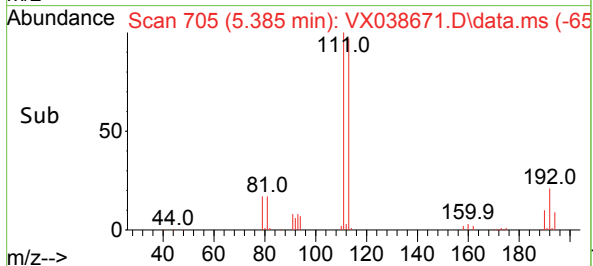
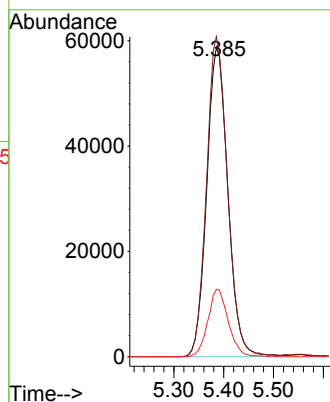
Tgt Ion:113 Resp: 173112

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 21.0 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX038671.D

Acq: 09 Nov 2023 11:34

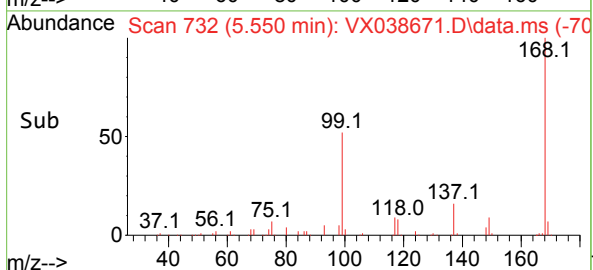
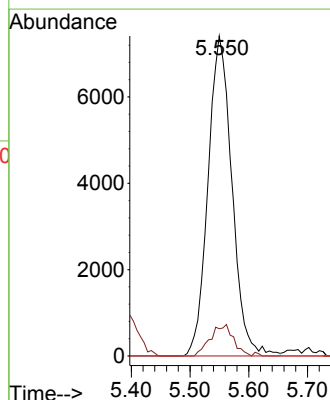
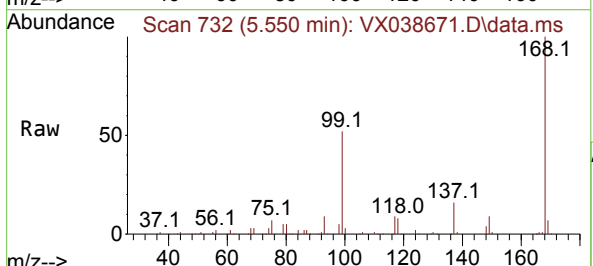
Tgt Ion: 75 Resp: 21014

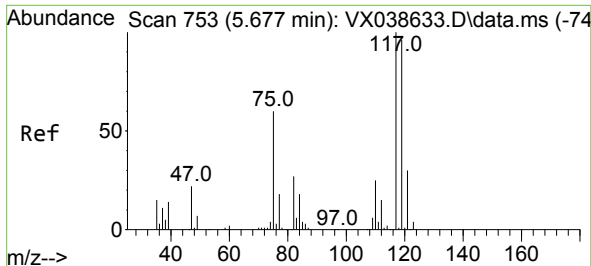
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

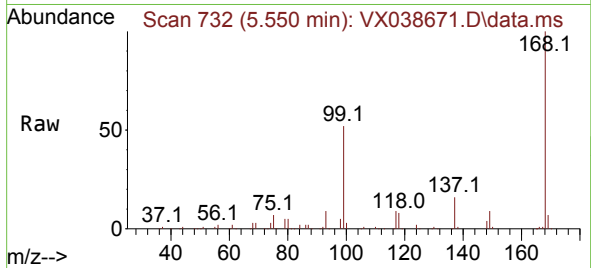
77 0.0 24.7 37.1#



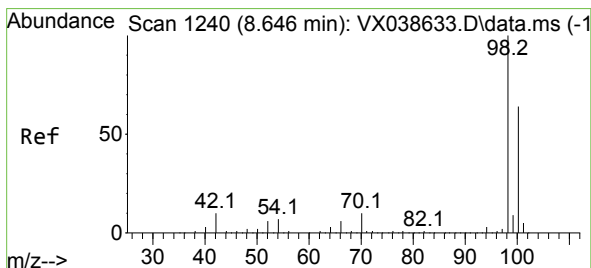
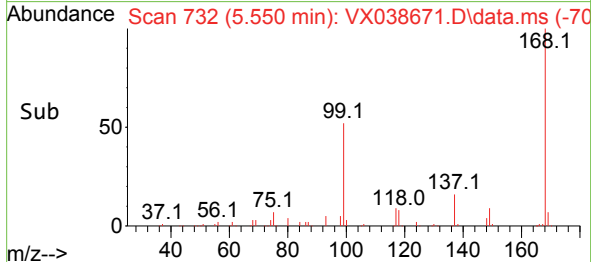
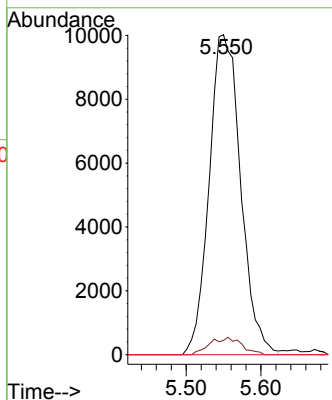


#38
Carbon Tetrachloride
Concen: 5.760 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Instrument :
MSVOA_X
ClientSampleId :

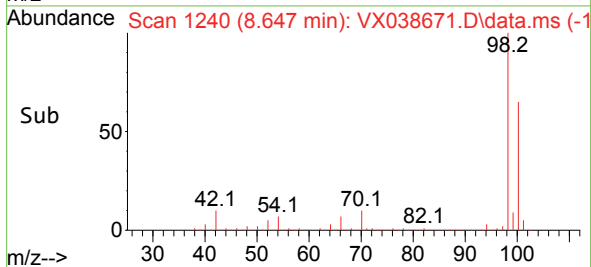
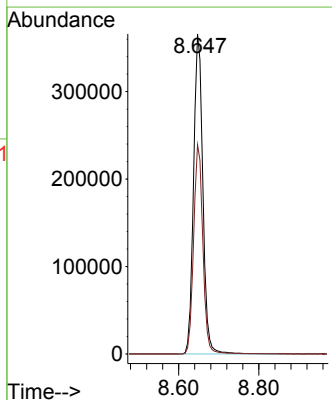
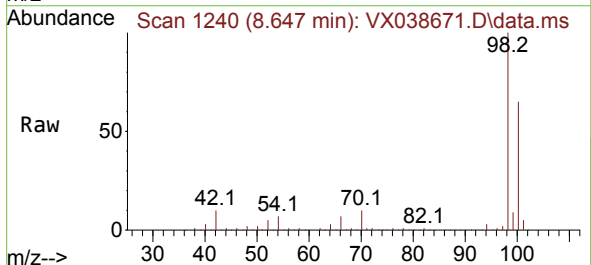


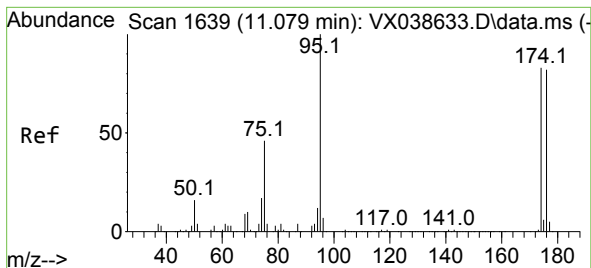
Tgt Ion:117 Resp: 29367
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.775 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038671.D
Acq: 09 Nov 2023 11:34

Tgt Ion: 98 Resp: 588218
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 52.397 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038671.D

Acq: 09 Nov 2023 11:34

Instrument :

MSVOA_X

ClientSampleId :

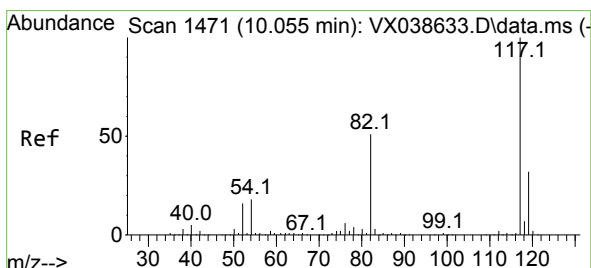
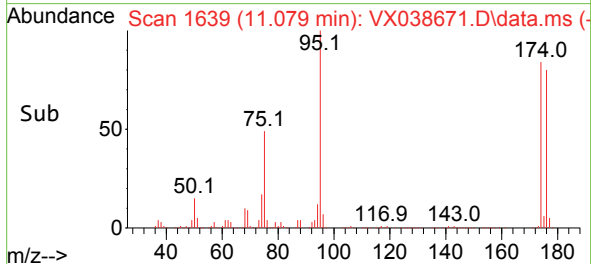
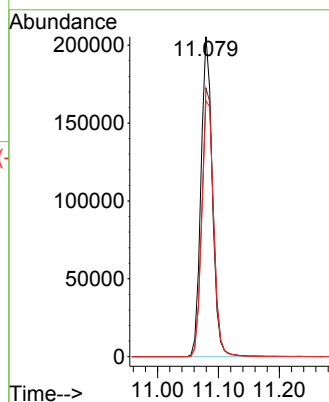
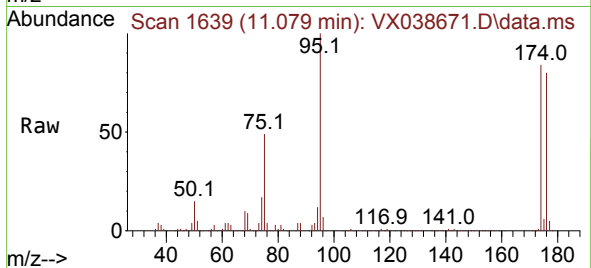
Tgt Ion: 95 Resp: 266885

Ion Ratio Lower Upper

95 100

174 86.3 0.0 135.6

176 83.6 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038671.D

Acq: 09 Nov 2023 11:34

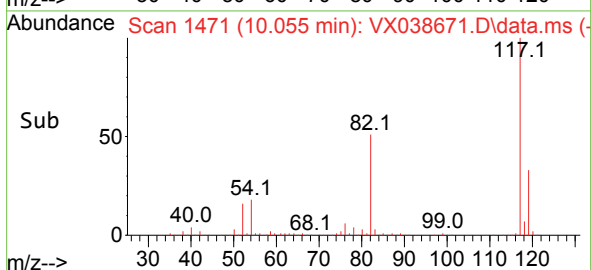
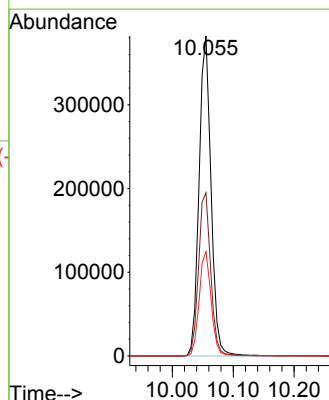
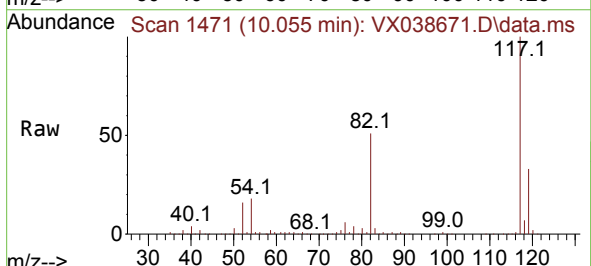
Tgt Ion: 117 Resp: 520012

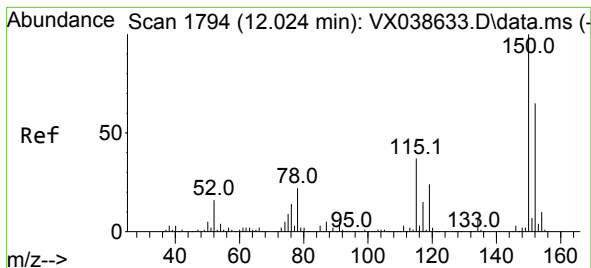
Ion Ratio Lower Upper

117 100

82 51.0 46.2 69.4

119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038671.D

Acq: 09 Nov 2023 11:34

Instrument :

MSVOA_X

ClientSampleId :

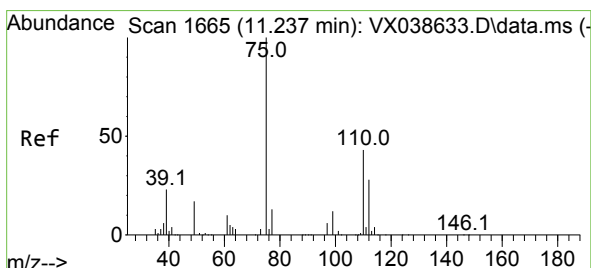
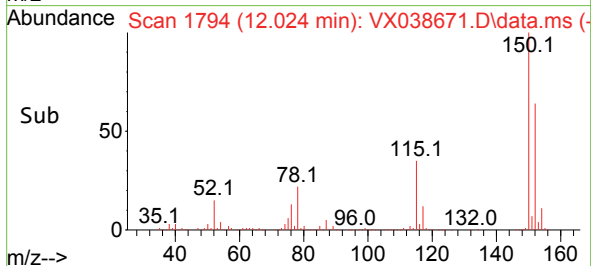
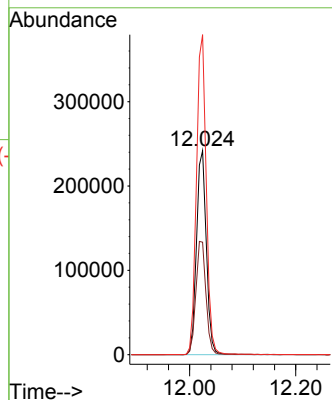
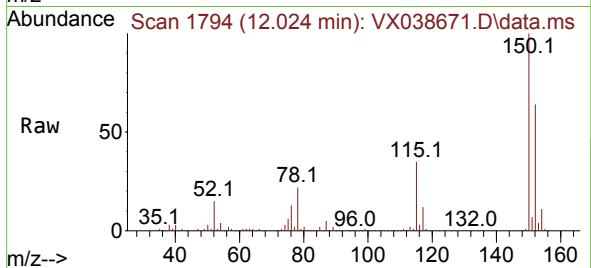
Tgt Ion:152 Resp: 311384

Ion Ratio Lower Upper

152 100

115 57.3 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038671.D

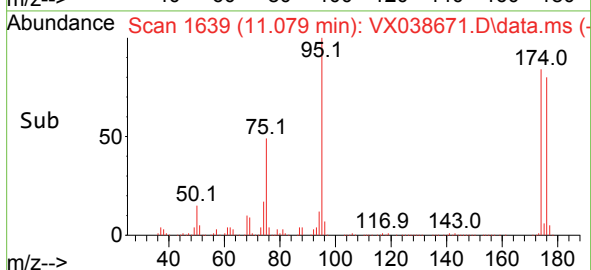
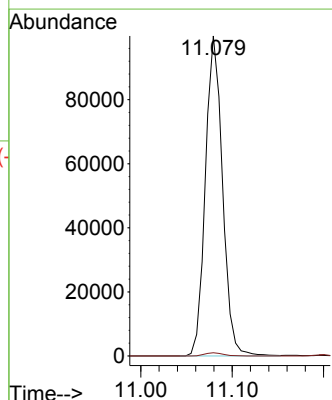
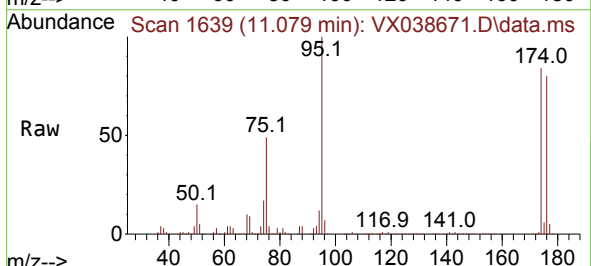
Acq: 09 Nov 2023 11:34

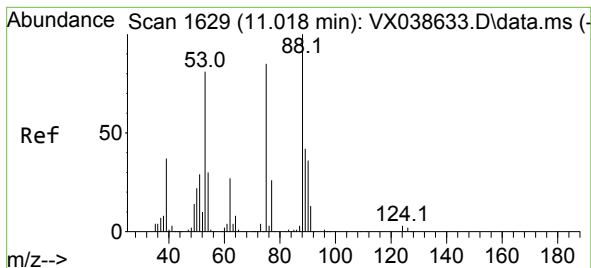
Tgt Ion: 75 Resp: 129781

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

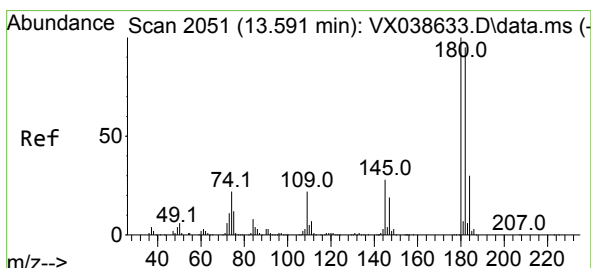
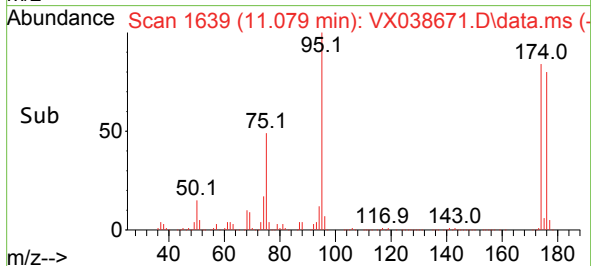
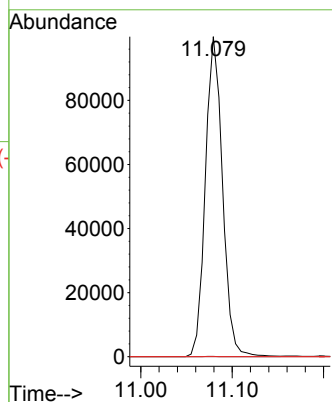
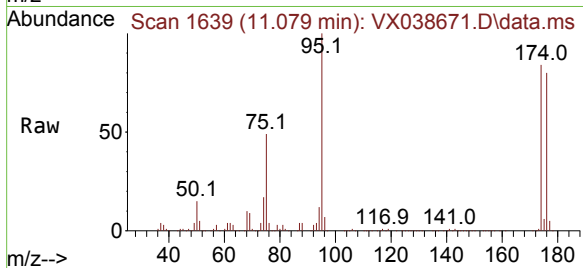




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.954 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038671.D
 Acq: 09 Nov 2023 11:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 129781
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX038671.D
 Acq: 09 Nov 2023 11:34

Tgt Ion:180 Resp: 1427
 Ion Ratio Lower Upper
 180 100
 182 90.7 48.3 144.8
 145 25.4 18.0 54.0

