

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036611.D
 Acq On : 21 Jul 2023 16:01
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BLK

Quant Time: Jul 21 23:06:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

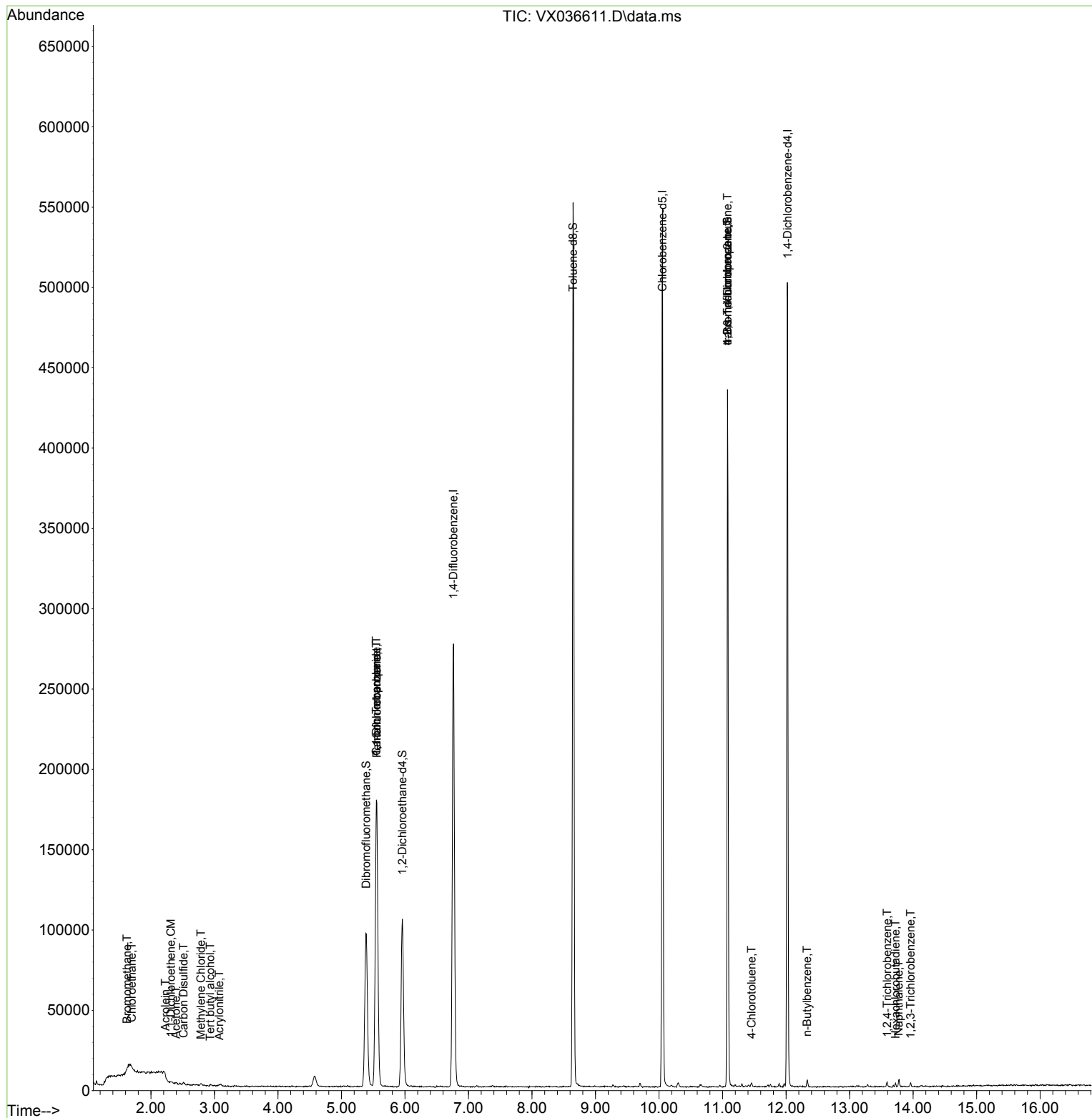
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	165546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	278577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99134	40.471	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.940%
35) Dibromofluoromethane	5.385	113	85917	44.870	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.740%
50) Toluene-d8	8.647	98	331872	48.875	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.079	95	117854	46.004	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.000%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	559	0.462	ug/l #	27
6) Chloroethane	1.697	64	215	0.218	ug/l #	65
11) Tert butyl alcohol	2.934	59	364	0.628	ug/l	96
12) 1,1-Dichloroethene	2.313	96	402	0.217	ug/l #	37
13) Acrolein	2.227	56	453	1.369	ug/l #	14
15) Acrylonitrile	3.075	53	506	0.434	ug/l #	24
16) Acetone	2.392	43	672	0.661	ug/l #	47
17) Carbon Disulfide	2.514	76	1938	0.379	ug/l #	79
20) Methylene Chloride	2.788	84	675	0.299	ug/l #	79
36) 1,1-Dichloropropene	5.550	75	14016	4.911	ug/l #	50
38) Carbon Tetrachloride	5.550	117	17535	5.779	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	59645	24.627	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59645	55.819	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1434	0.211	ug/l	86
89) n-Butylbenzene	12.329	91	1425	0.222	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	708	0.331	ug/l	94
94) Hexachlorobutadiene	13.725	225	335	0.379	ug/l	77
95) Naphthalene	13.774	128	2960	0.397	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	696	0.330	ug/l	90

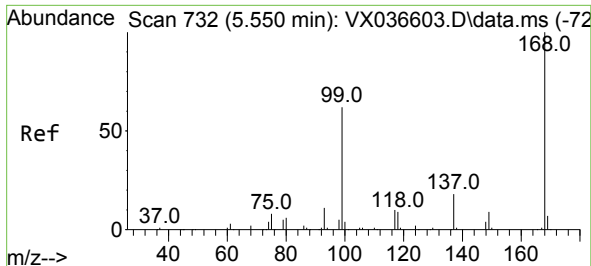
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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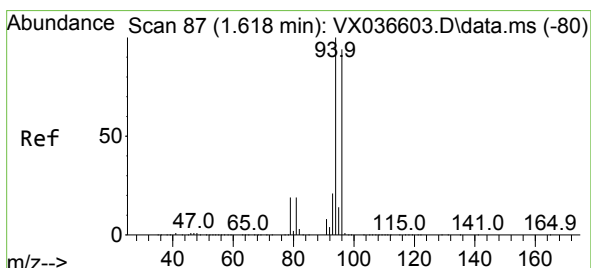
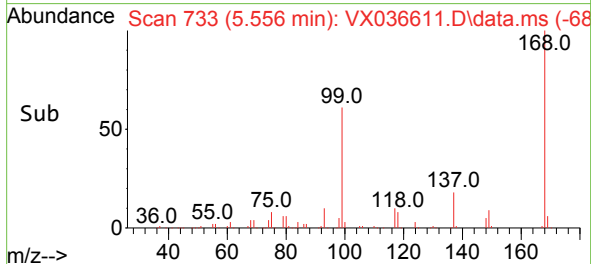
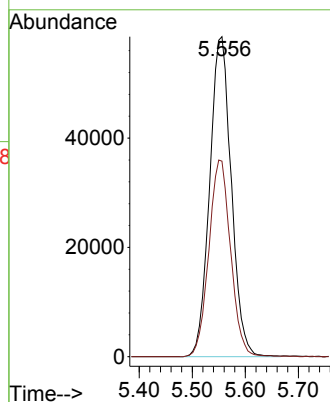
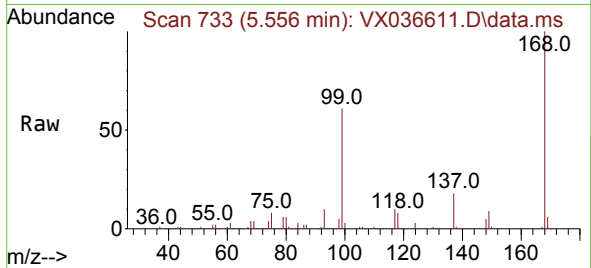




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

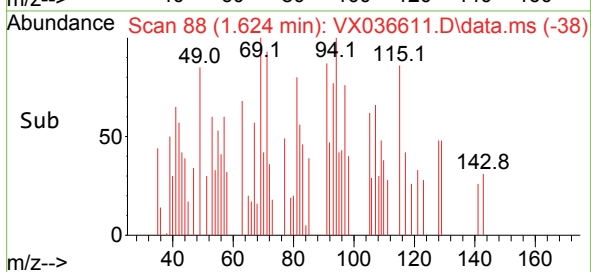
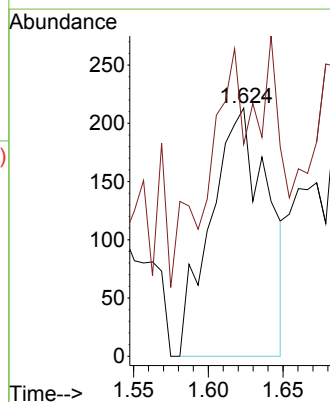
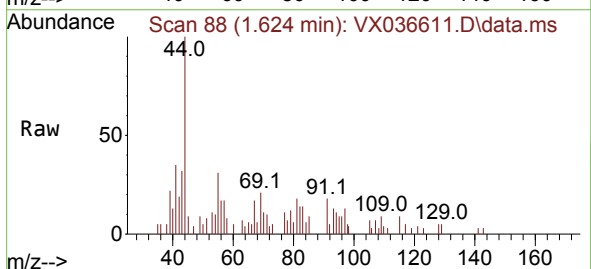
Instrument :
MSVOA_X
ClientSampleId :
BLK

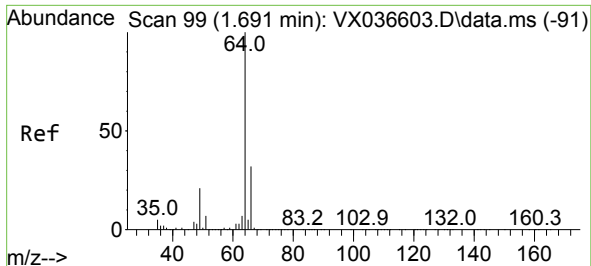
Tgt Ion:168 Resp: 165546
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#5
Bromomethane
Concen: 0.462 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 23.0 74.6 111.8#

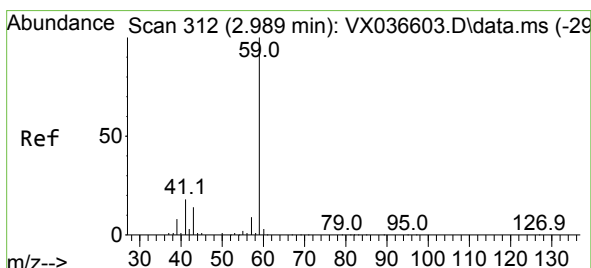
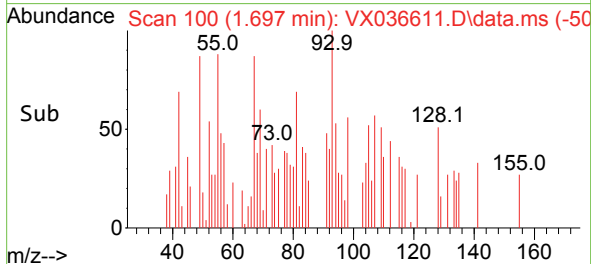
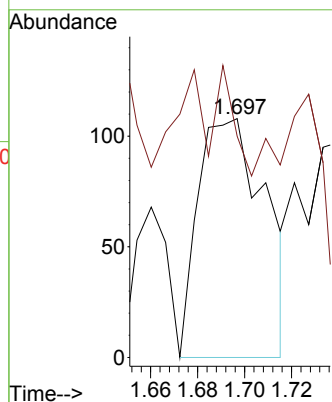
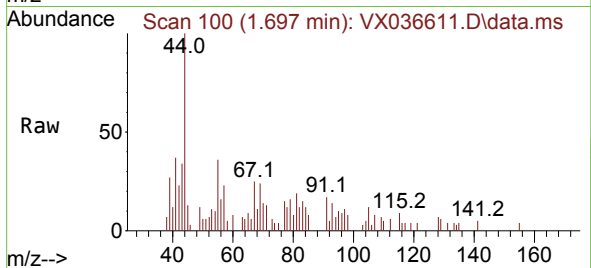




#6
Chloroethane
Concen: 0.218 ug/l
RT: 1.697 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

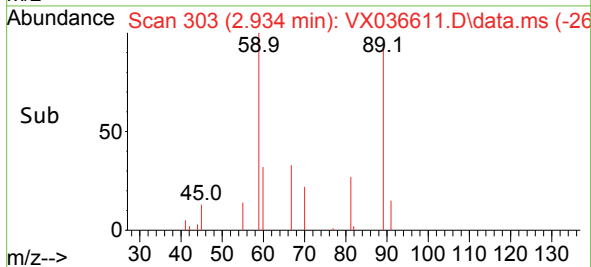
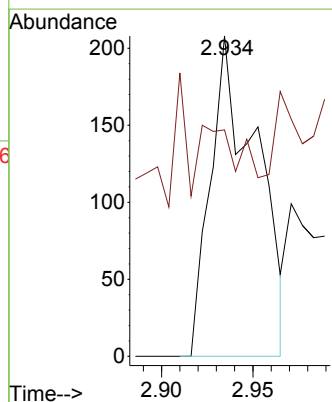
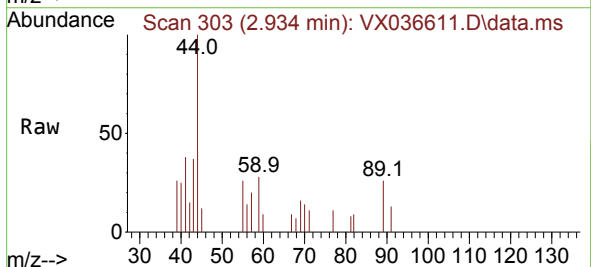
Instrument :
MSVOA_X
ClientSampleId :
BLK

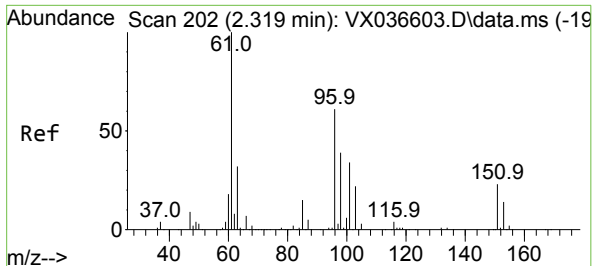
Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 12.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.628 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.055 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 6.0 6.0 9.0

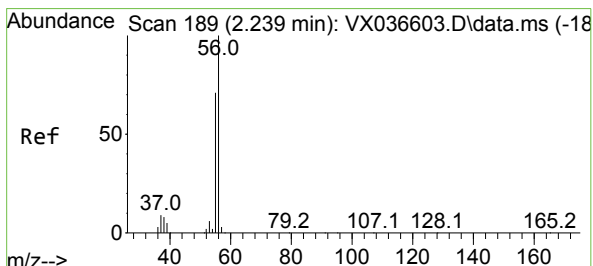
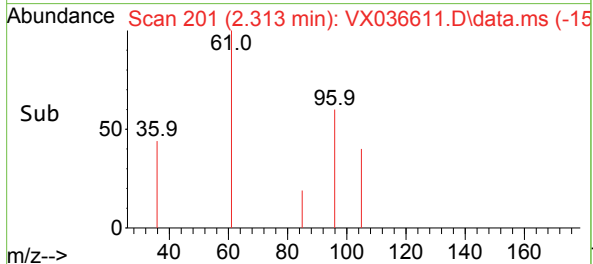
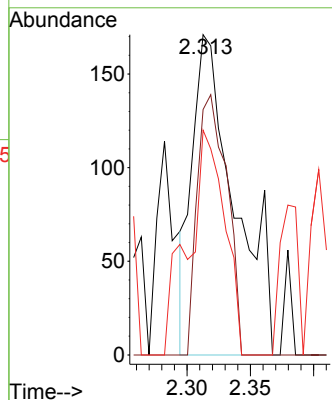
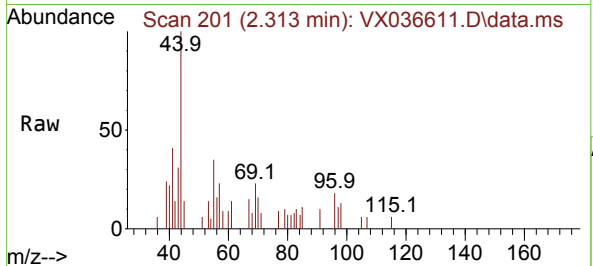




#12
1,1-Dichloroethene
Concen: 0.217 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

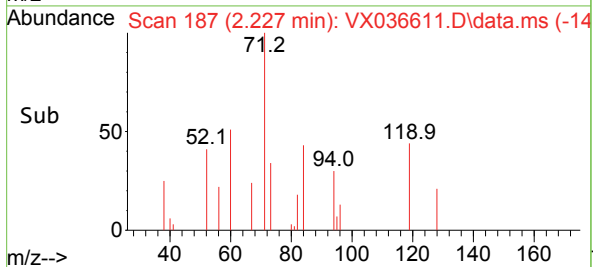
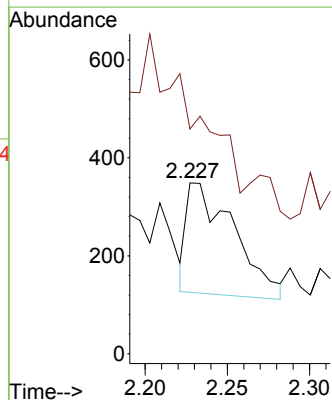
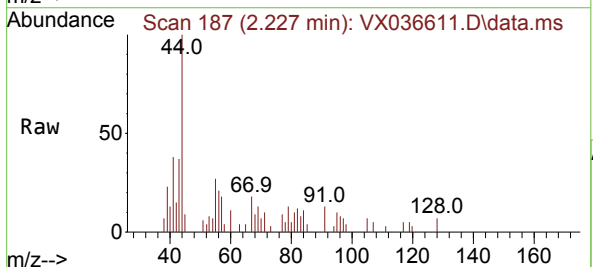
Instrument :
MSVOA_X
ClientSampleId :
BLK

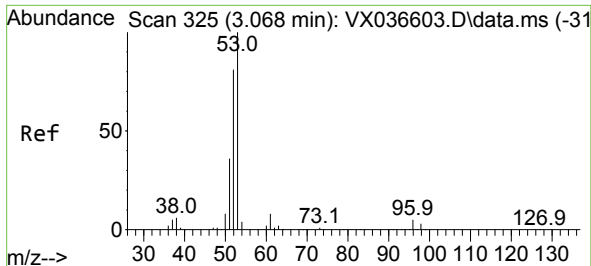
Tgt Ion: 96 Resp: 402
Ion Ratio Lower Upper
96 100
61 76.6 144.6 216.8#
98 35.7 50.4 75.6#



#13
Acrolein
Concen: 1.369 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

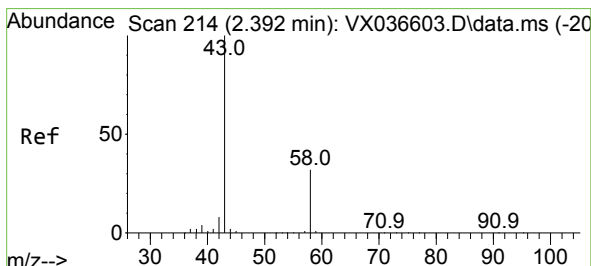
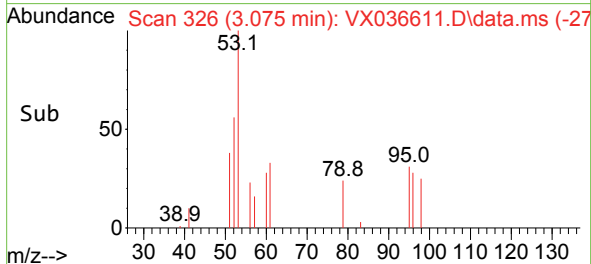
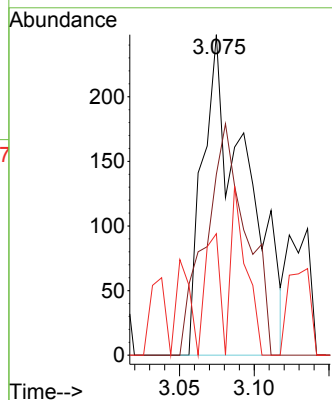
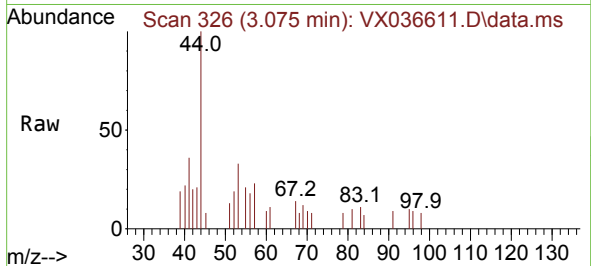




#15
Acrylonitrile
Concen: 0.434 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

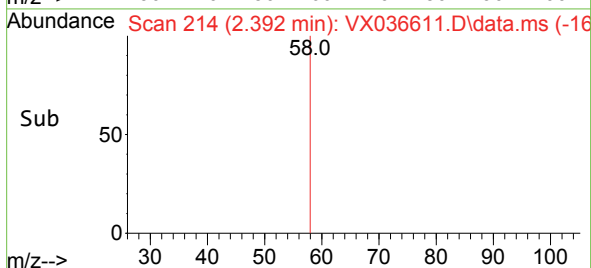
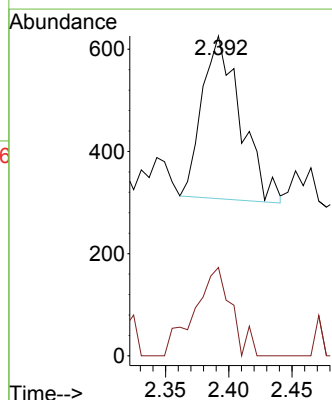
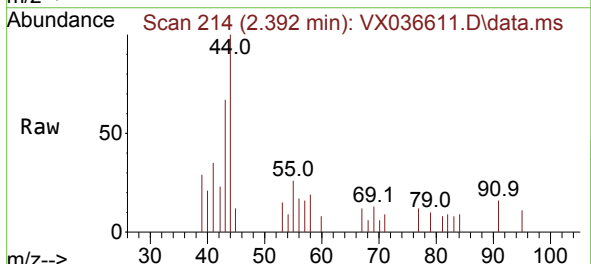
Instrument :
MSVOA_X
ClientSampleId :
BLK

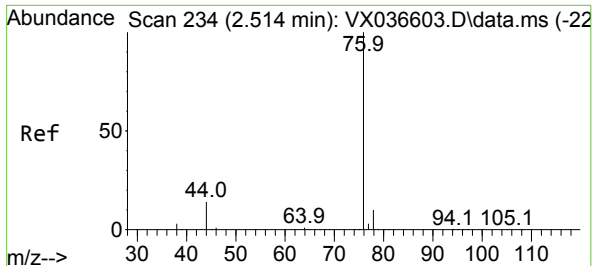
Tgt Ion: 53 Resp: 506
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 12.8 29.8 44.6#



#16
Acetone
Concen: 0.661 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
58 55.3 21.9 32.9#

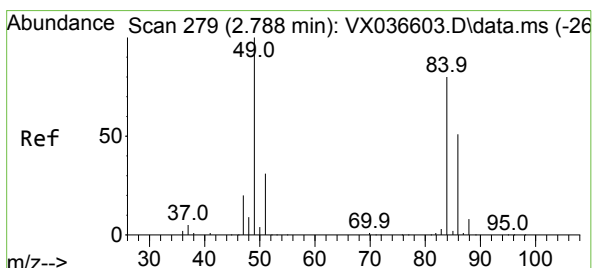
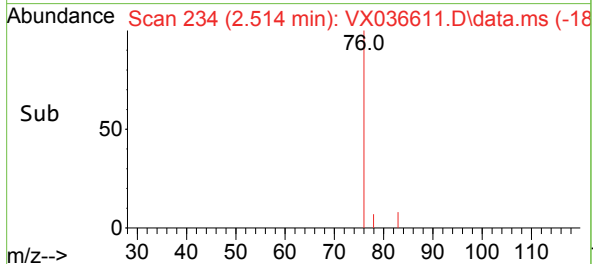
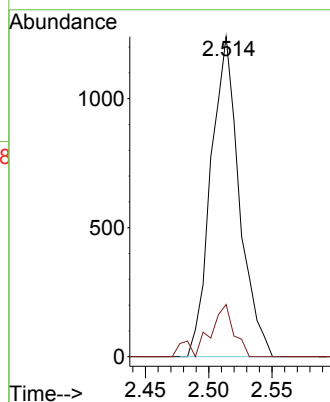
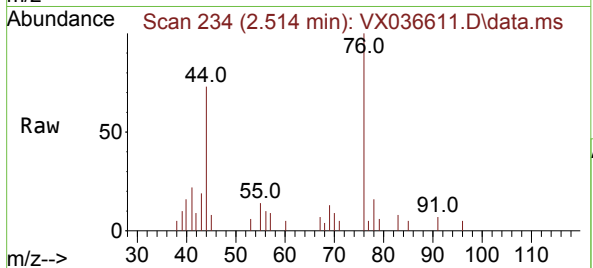




#17
Carbon Disulfide
Concen: 0.379 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

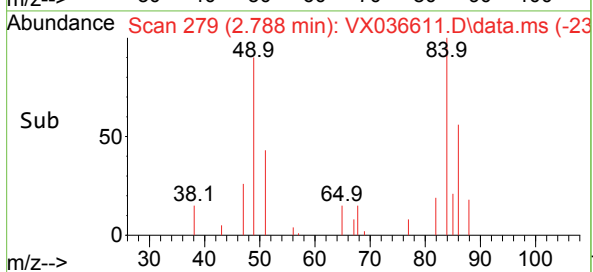
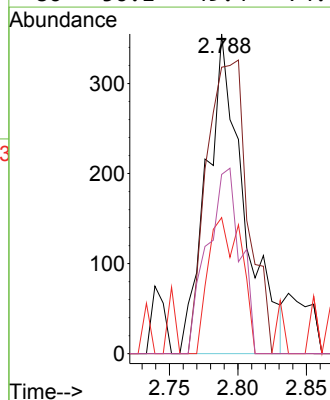
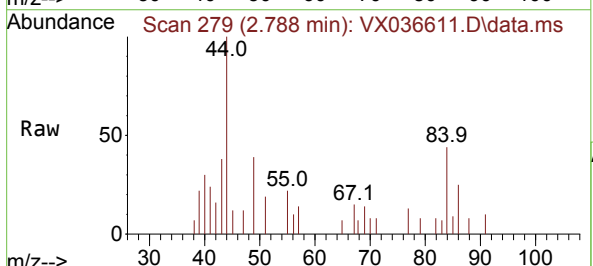
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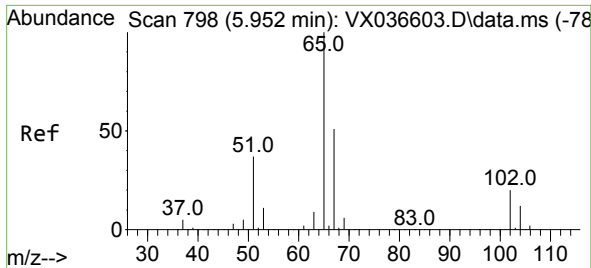
Tgt Ion: 76 Resp: 1938
Ion Ratio Lower Upper
76 100
78 16.3 7.0 10.6#



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 84 Resp: 675
Ion Ratio Lower Upper
84 100
49 89.6 103.6 155.4#
51 42.5 33.8 50.6
86 56.1 49.4 74.0

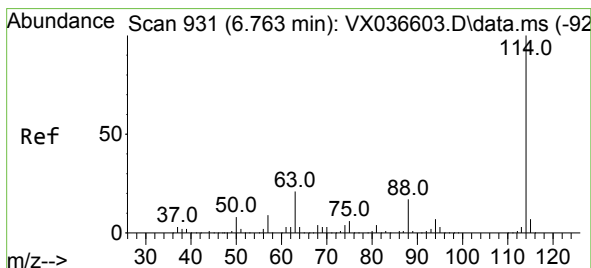
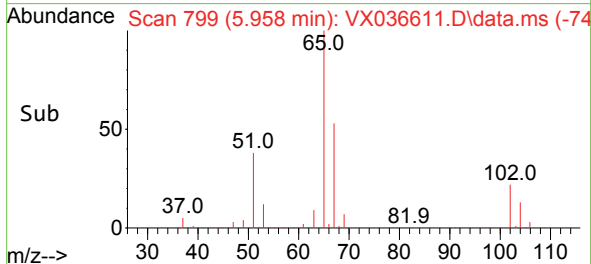
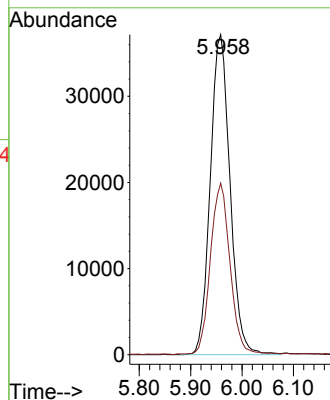
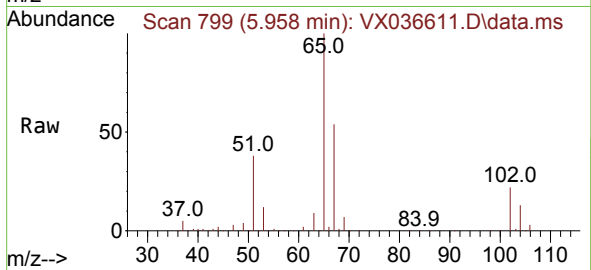




#33
1,2-Dichloroethane-d4
Concen: 40.471 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

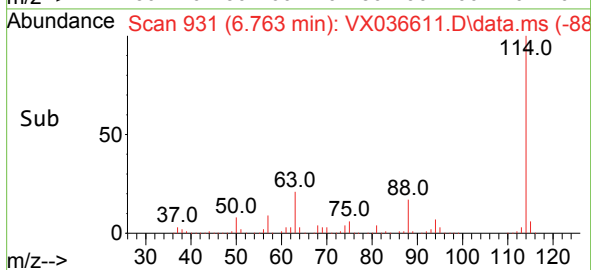
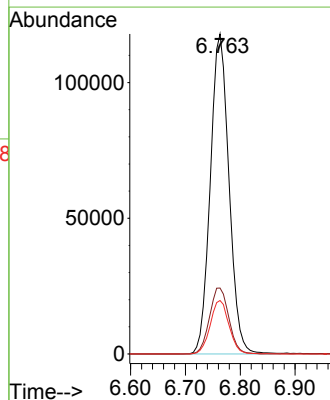
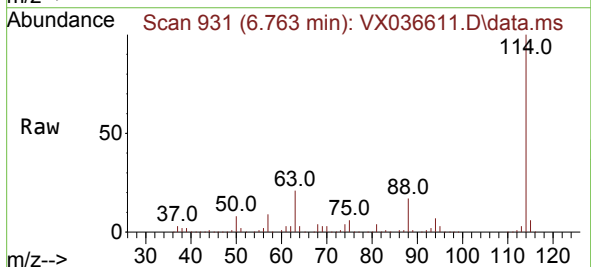
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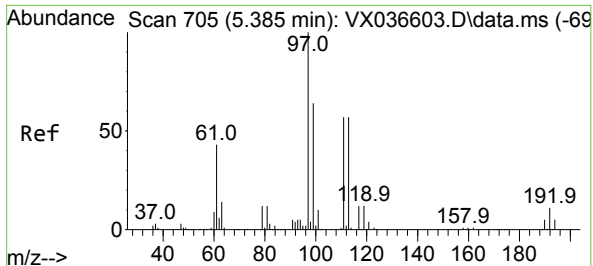
Tgt Ion: 65 Resp: 99134
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 114 Resp: 278577
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.870 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036611.D

Acq: 21 Jul 2023 16:01

Instrument :

MSVOA_X

ClientSampleId :

BLK

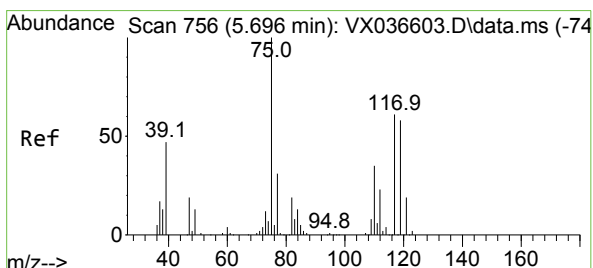
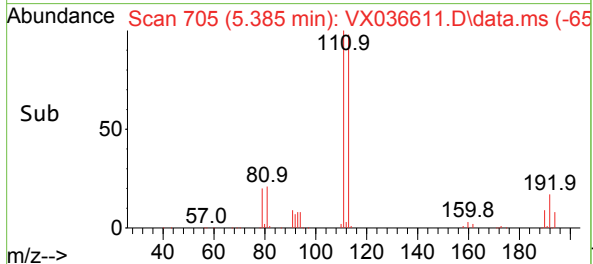
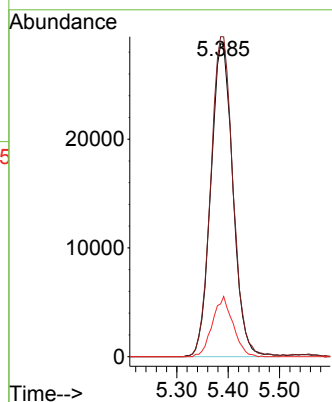
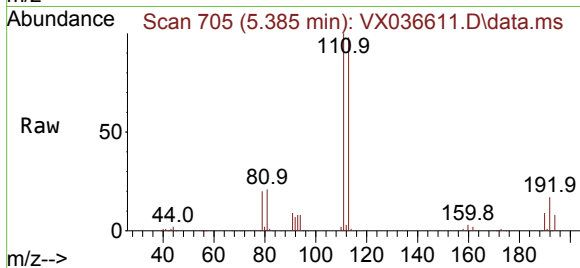
Tgt Ion:113 Resp: 85917

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 17.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.911 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036611.D

Acq: 21 Jul 2023 16:01

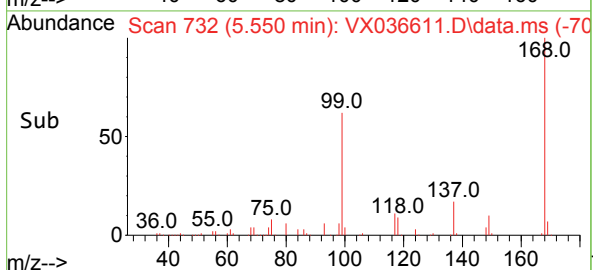
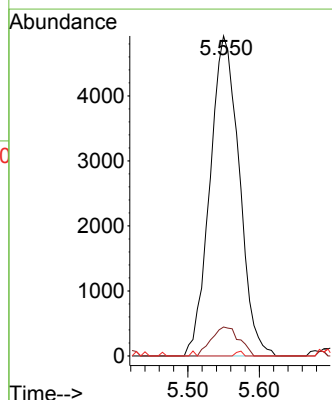
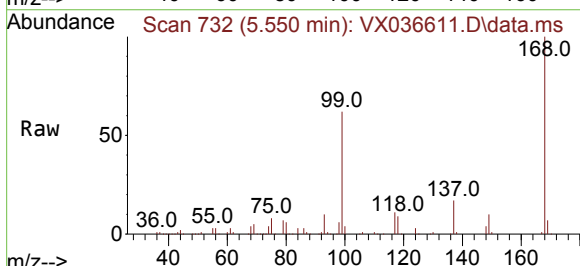
Tgt Ion: 75 Resp: 14016

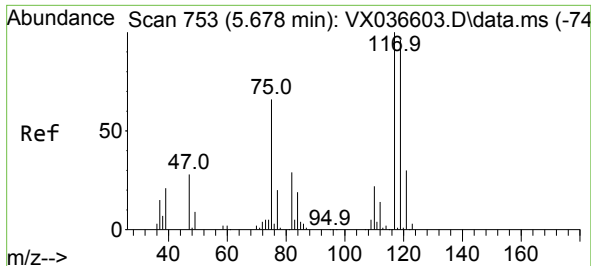
Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.7 37.1#

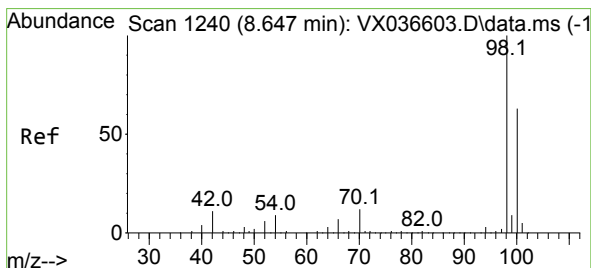
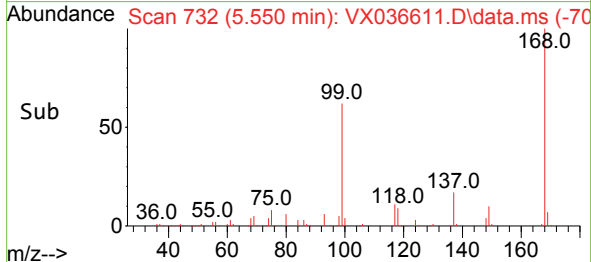
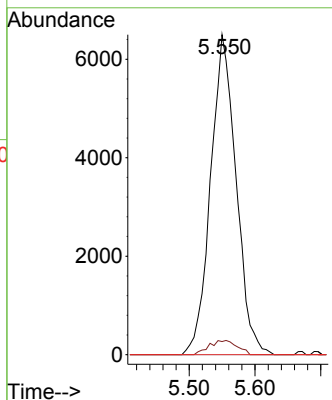
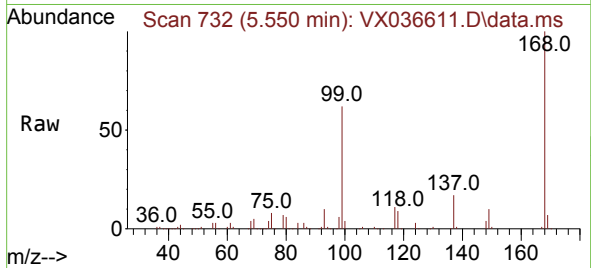




#38
Carbon Tetrachloride
Concen: 5.779 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

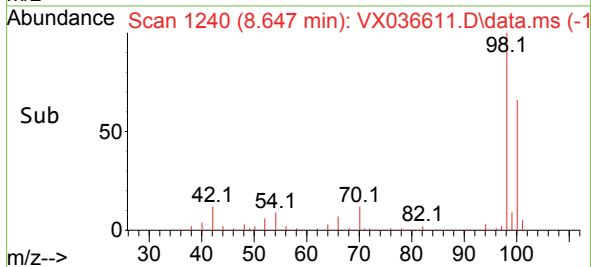
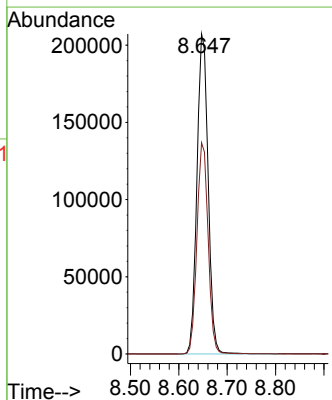
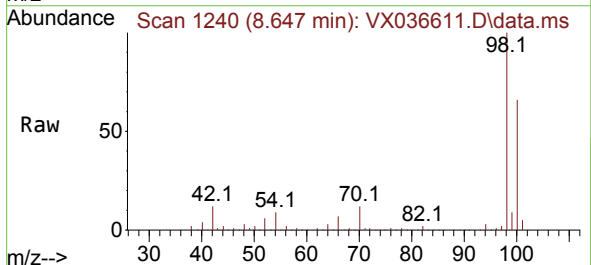
Instrument :
MSVOA_X
ClientSampleId :
BLK

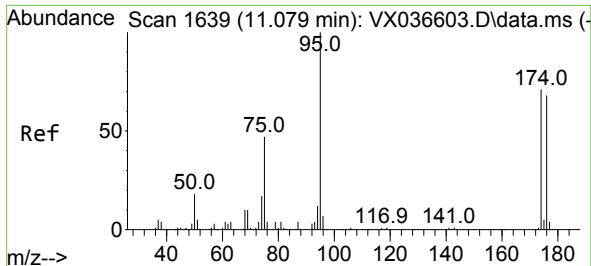
Tgt Ion:117 Resp: 17535
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.875 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 98 Resp: 331872
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

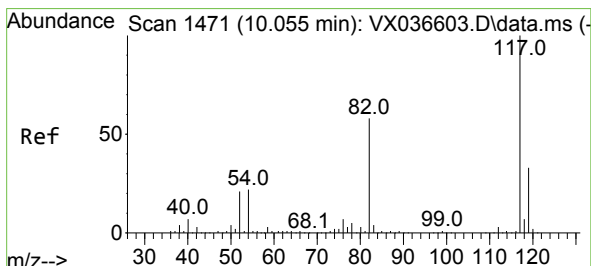
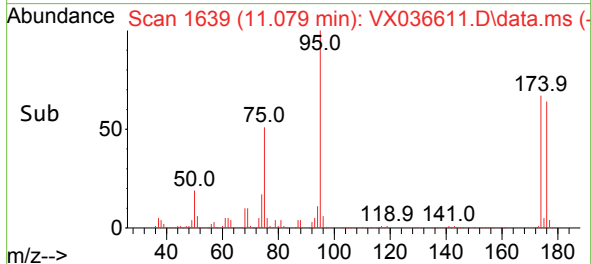
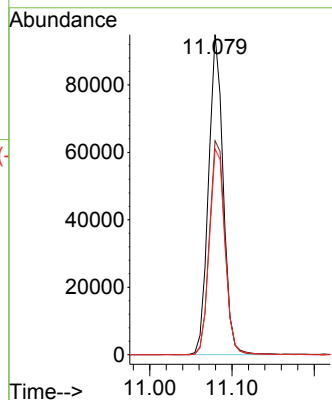
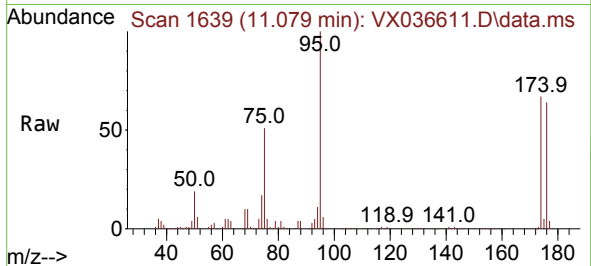




#62
4-Bromofluorobenzene
Concen: 46.004 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

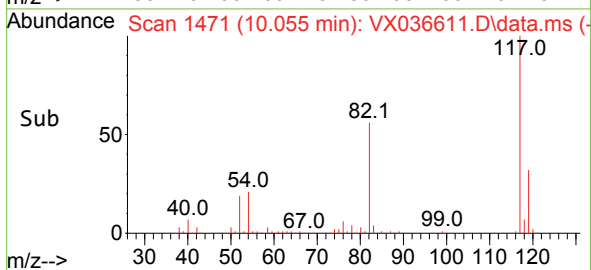
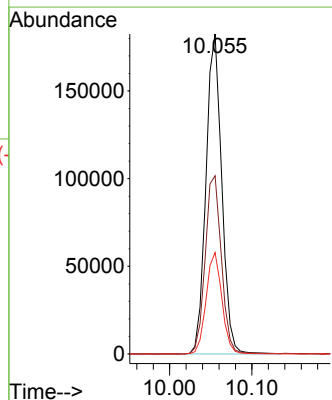
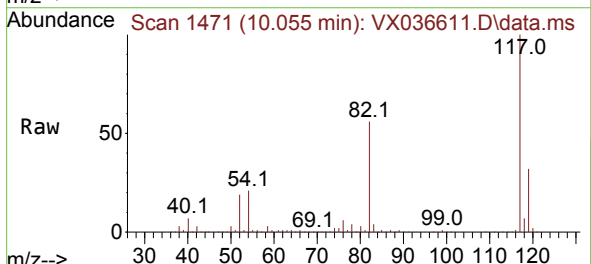
Instrument :
MSVOA_X
ClientSampleId :
BLK

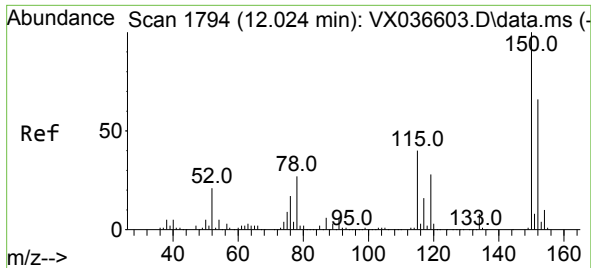
Tgt Ion: 95 Resp: 117854
Ion Ratio Lower Upper
95 100
174 70.9 0.0 135.6
176 68.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 117 Resp: 243357
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 31.7 25.5 38.3

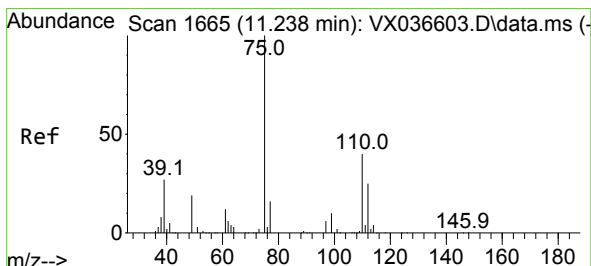
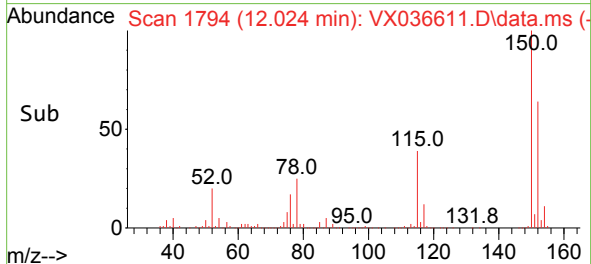
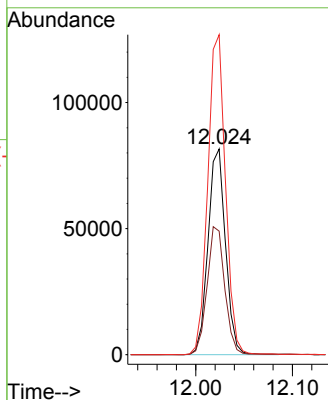
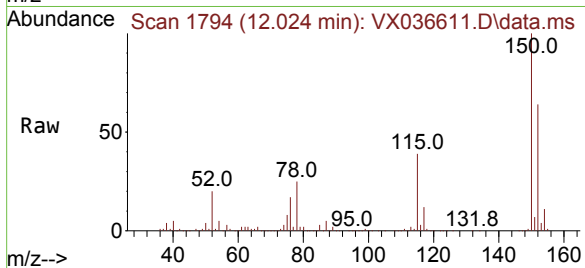




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036611.D
 Acq: 21 Jul 2023 16:01

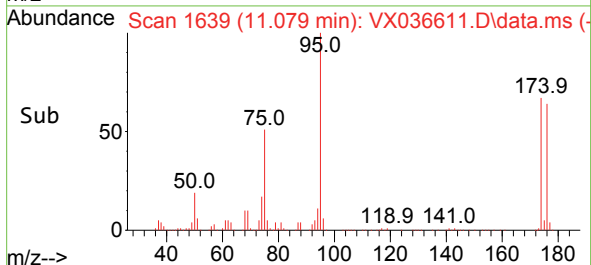
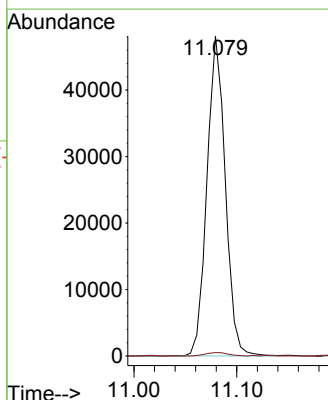
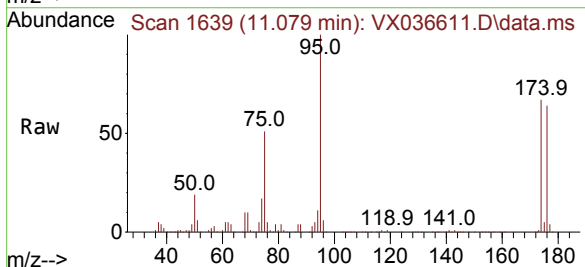
Instrument :
 MSVOA_X
 ClientSampleId :
 BLK

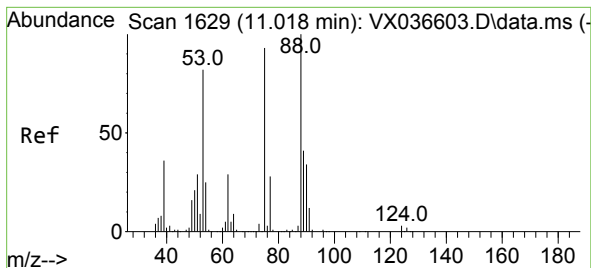
Tgt Ion:152 Resp: 102968
 Ion Ratio Lower Upper
 152 100
 115 62.9 43.3 129.9
 150 157.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.627 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036611.D
 Acq: 21 Jul 2023 16:01

Tgt Ion: 75 Resp: 59645
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

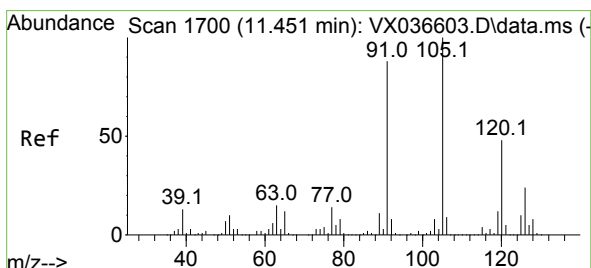
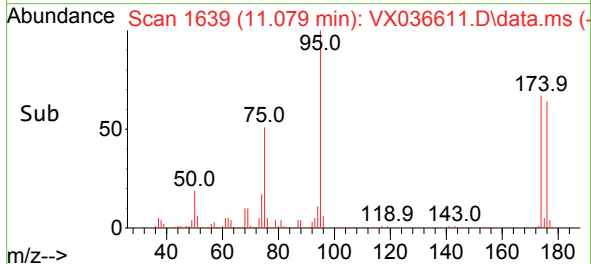
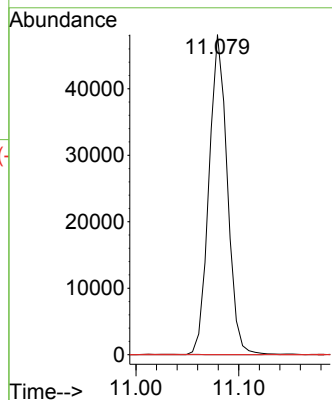
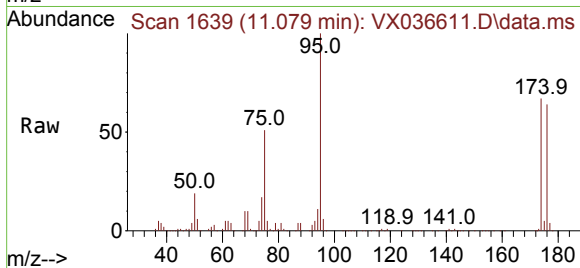




#81
trans-1,4-Dichloro-2-butene
Concen: 55.819 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

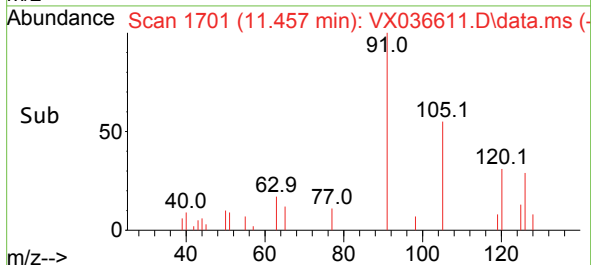
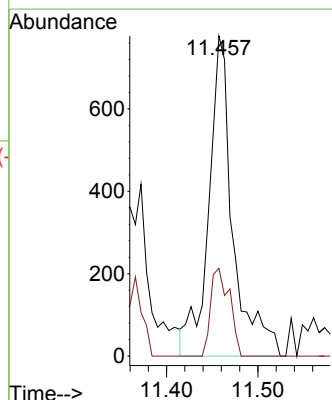
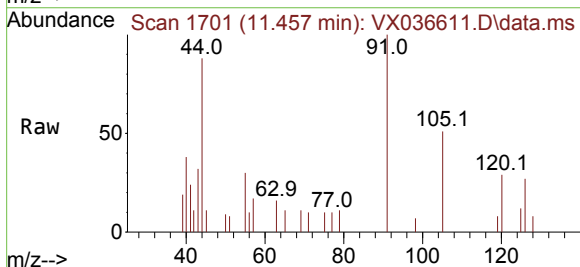
Instrument :
MSVOA_X
ClientSampleId :
BLK

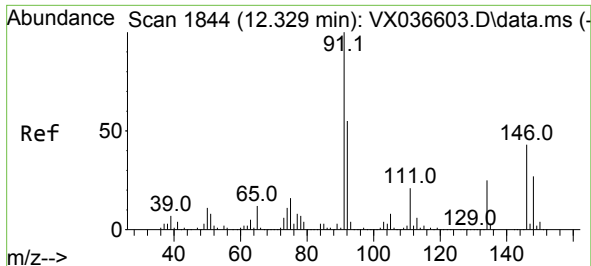
Tgt Ion: 75 Resp: 59645
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.211 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 91 Resp: 1434
Ion Ratio Lower Upper
91 100
126 21.2 14.2 42.6

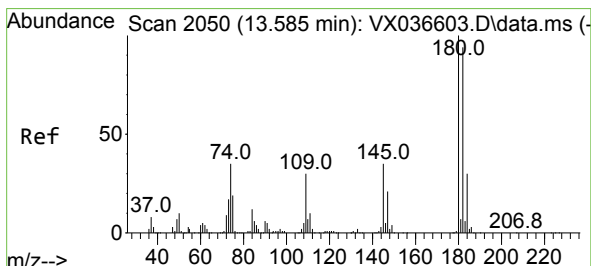
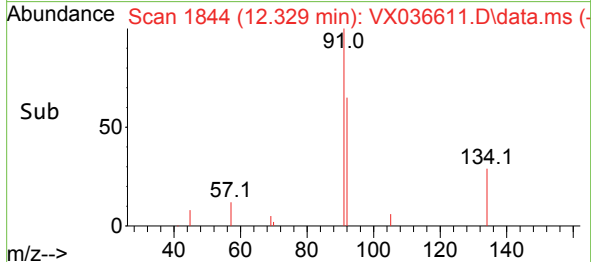
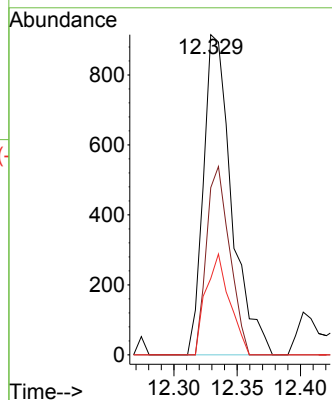
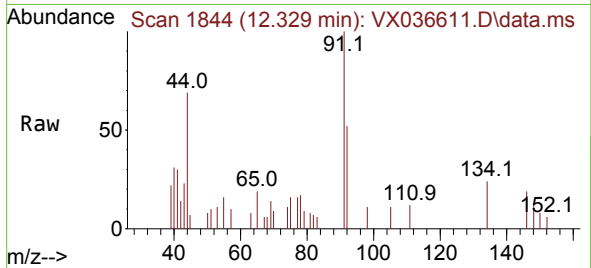




#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

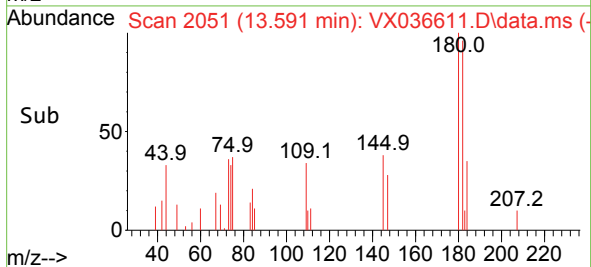
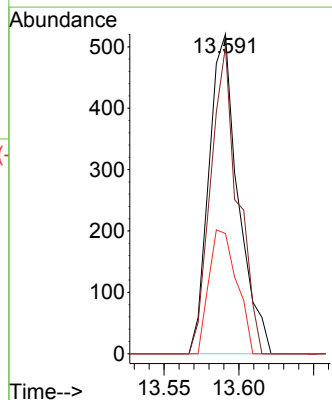
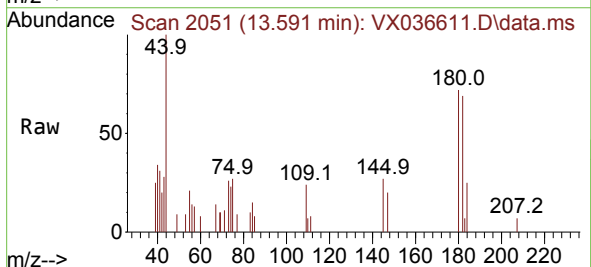
Instrument :
MSVOA_X
ClientSampleId :
BLK

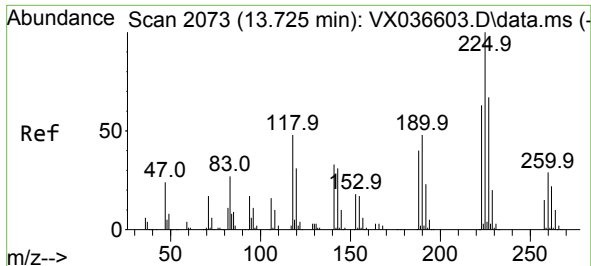
Tgt Ion: 91	Resp:	1425
Ion Ratio	Lower	Upper
91	100	
92	48.2	27.4 82.0
134	26.4	12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.331 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

Tgt Ion: 180	Resp:	708
Ion Ratio	Lower	Upper
180	100	
182	89.3	48.3 144.8
145	36.9	18.0 54.0

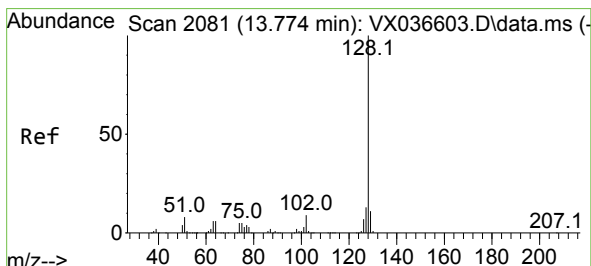
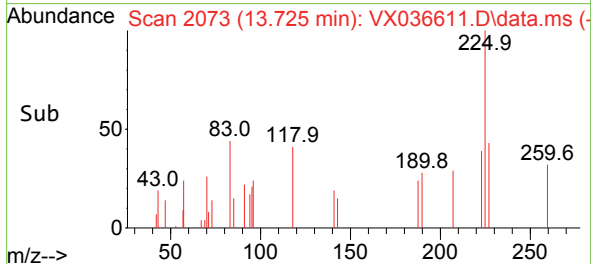
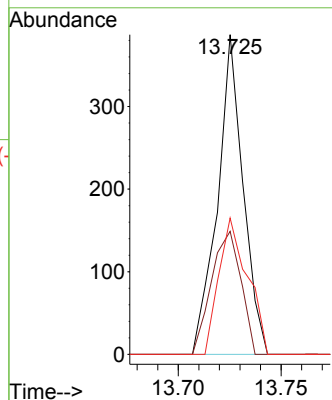
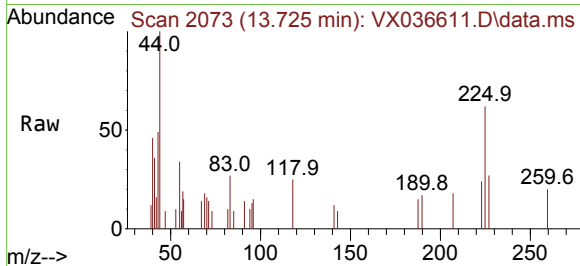




#94
Hexachlorobutadiene
Concen: 0.379 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

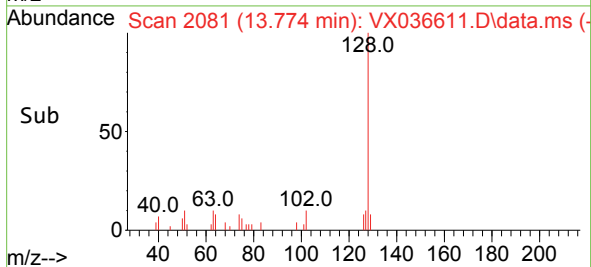
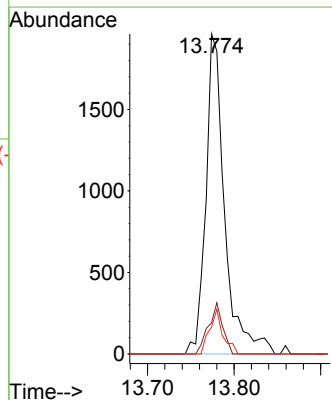
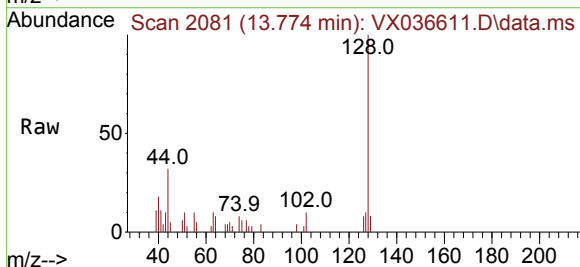
Instrument :
MSVOA_X
ClientSampleId :
BLK

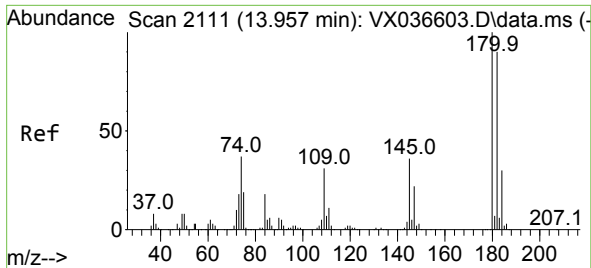
Tgt Ion:	225	Resp:	335
Ion	Ratio	Lower	Upper
225	100		
223	44.2	31.1	93.2
227	47.8	32.5	97.5



#95
Naphthalene
Concen: 0.397 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036611.D
Acq: 21 Jul 2023 16:01

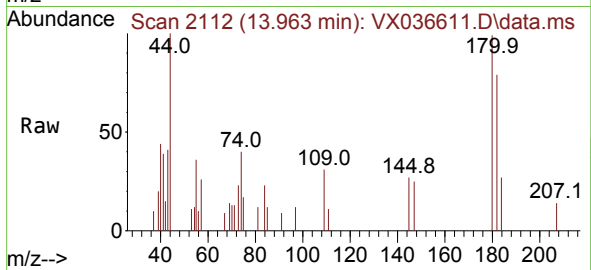
Tgt Ion:	128	Resp:	2960
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	9.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.330 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX036611.D
 Acq: 21 Jul 2023 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 BLK



Tgt Ion:	180	Resp:	696
Ion Ratio	Lower	Upper	
180	100		
182	86.2	46.9	140.6
145	27.2	17.8	53.5

