

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036857.D
 Acq On : 08 Aug 2023 12:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 09 04:12:49 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)

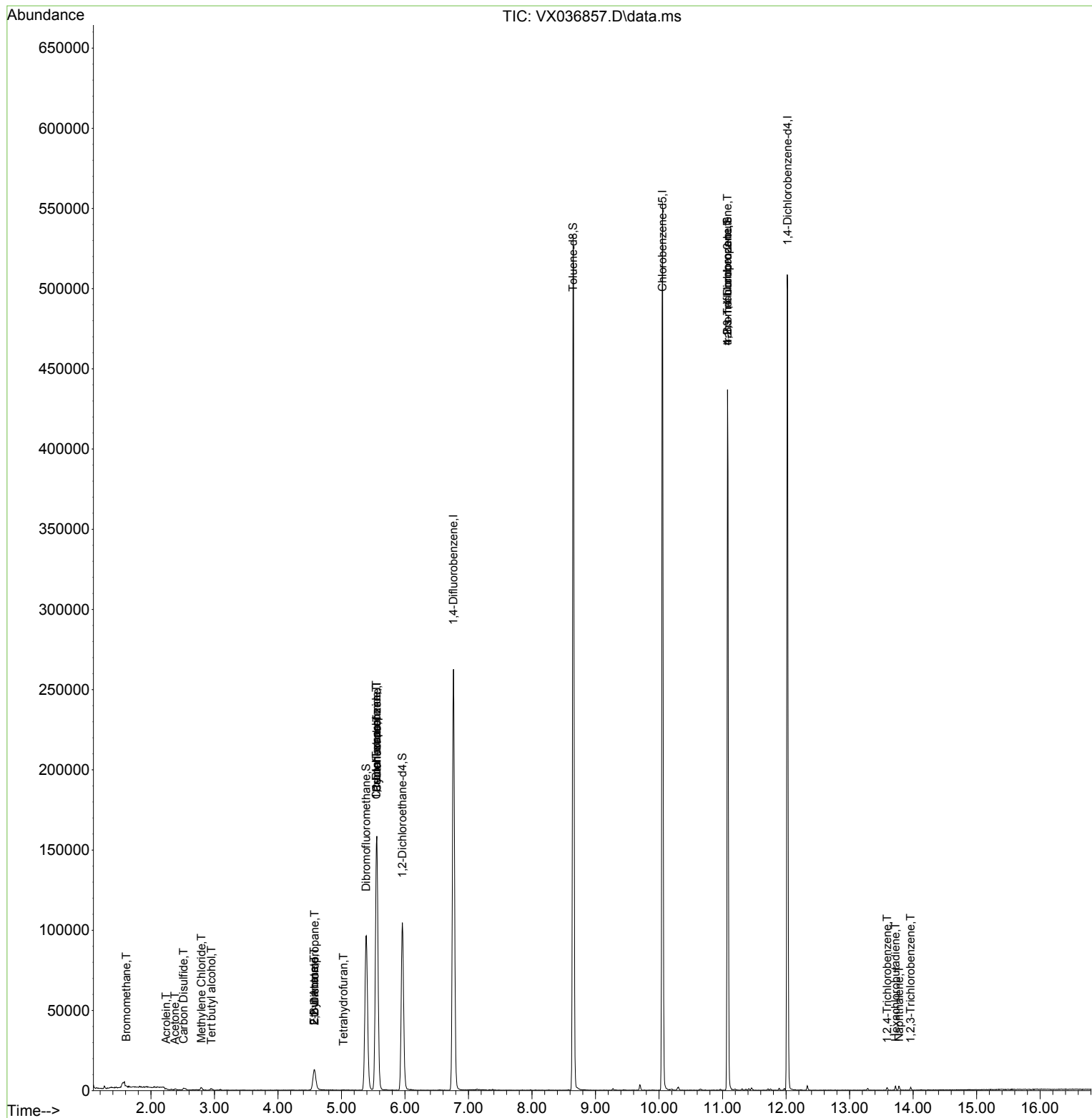
Internal Standards						
1) Pentafluorobenzene	5.556	168	146826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	266435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102099	46.996	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.000%
35) Dibromofluoromethane	5.385	113	85688	46.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.580%
50) Toluene-d8	8.647	98	319270	49.162	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.320%
62) 4-Bromofluorobenzene	11.079	95	119847	48.913	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.820%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	235	0.219	ug/l	97
11) Tert butyl alcohol	2.953	59	789	1.534	ug/l #	78
13) Acrolein	2.239	56	204	0.695	ug/l #	61
16) Acetone	2.380	43	770	0.854	ug/l #	89
17) Carbon Disulfide	2.514	76	1262	0.278	ug/l #	85
20) Methylene Chloride	2.794	84	1022	0.510	ug/l #	77
25) 2-Butanone	4.568	43	772	0.528	ug/l #	51
26) 2,2-Dichloropropane	4.574	77	1121	0.345	ug/l #	54
29) Tetrahydrofuran	5.031	42	215	0.228	ug/l #	34
31) Cyclohexane	5.556	56	3492	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12243	4.485	ug/l #	50
37) Ethyl Acetate	4.568	43	772	0.250	ug/l #	1
38) Carbon Tetrachloride	5.550	117	15049	5.186	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	62006	25.047	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62006	56.771	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	529	0.242	ug/l	89
94) Hexachlorobutadiene	13.725	225	473	0.523	ug/l	88
95) Naphthalene	13.780	128	2090	0.275	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	573	0.266	ug/l	94

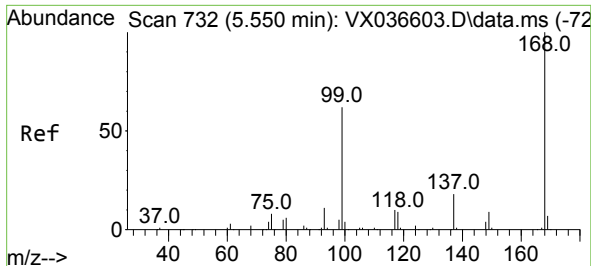
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 04:12:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
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Response via : Initial Calibration

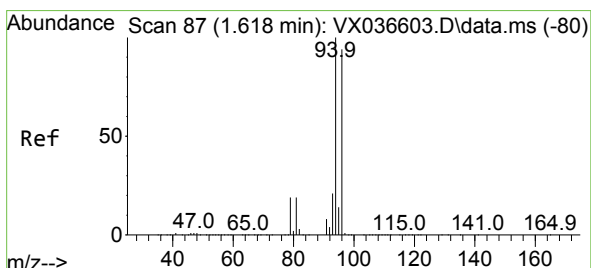
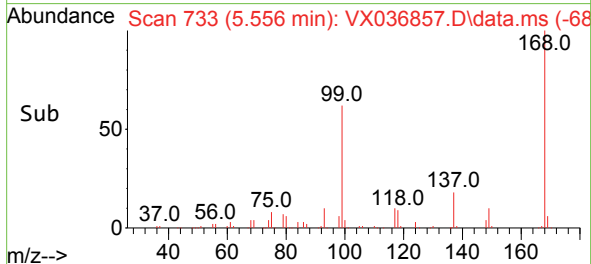
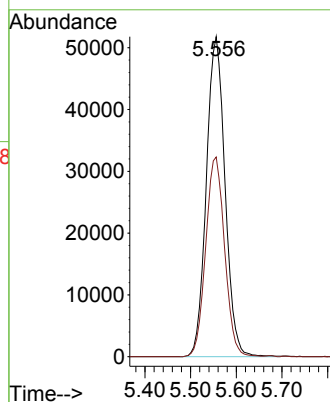
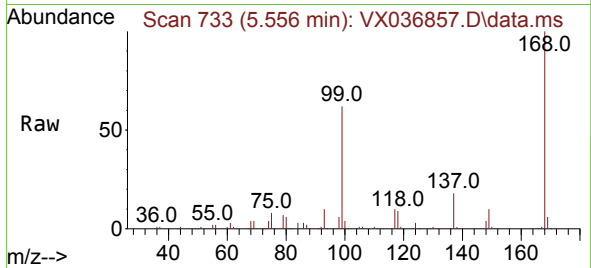




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

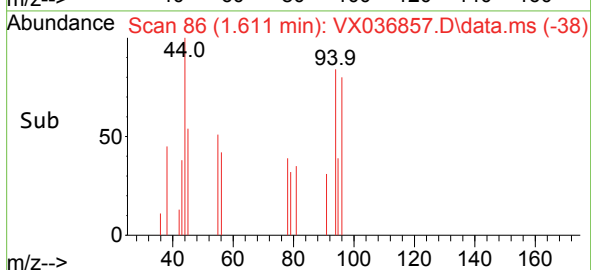
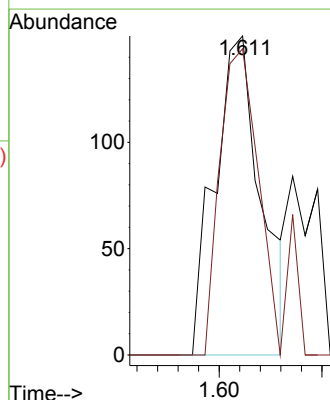
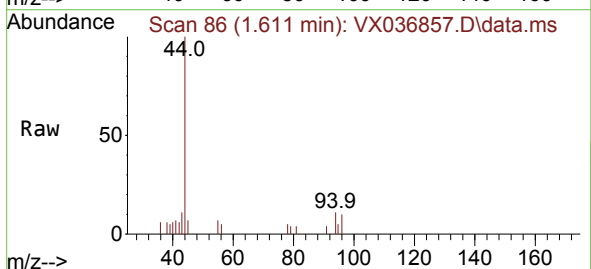
Instrument :
MSVOA_X
ClientSampleId :
IBLK

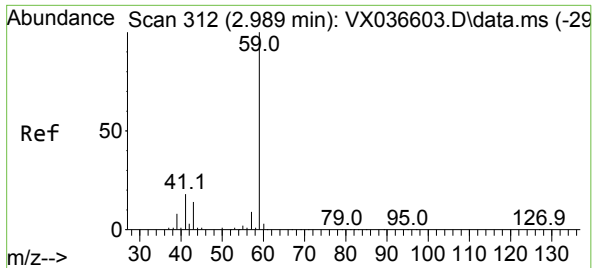
Tgt Ion:168 Resp: 146826
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 96.0 74.6 111.8

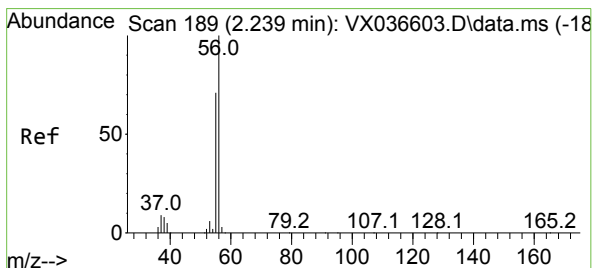
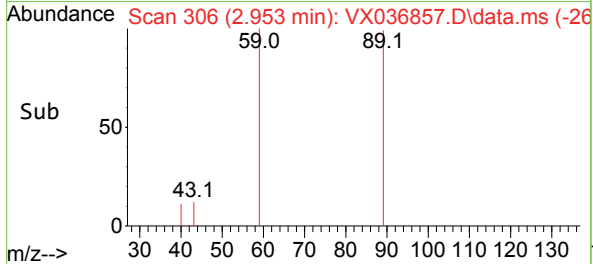
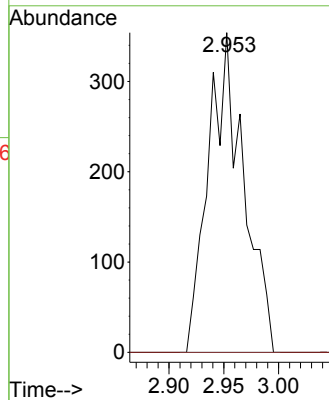
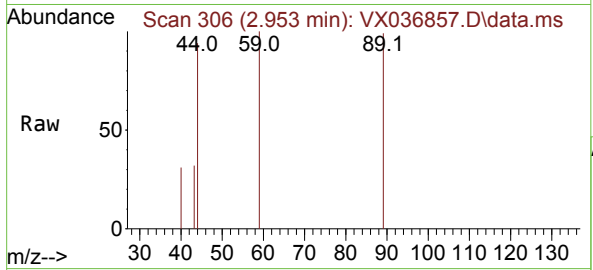




#11
Tert butyl alcohol
Concen: 1.534 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

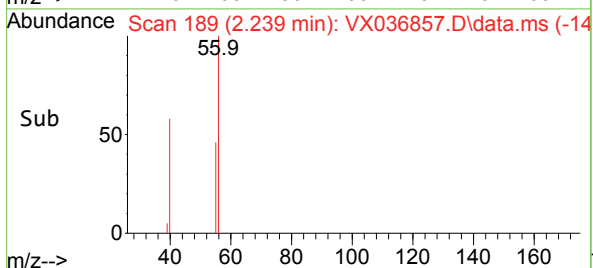
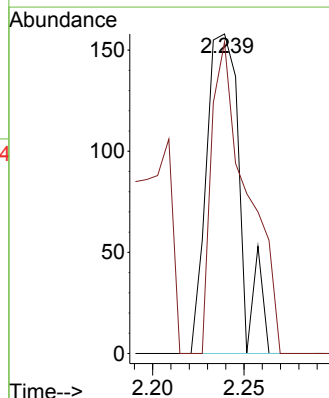
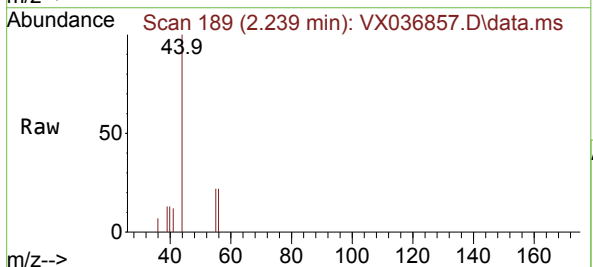
Instrument :
MSVOA_X
ClientSampleId :
IBLK

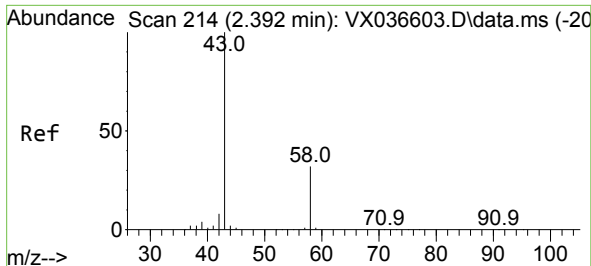
Tgt Ion: 59 Resp: 789
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.695 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 103.4 57.1 85.7#





#16

Acetone

Concen: 0.854 ug/l

RT: 2.380 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX036857.D

Acq: 08 Aug 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

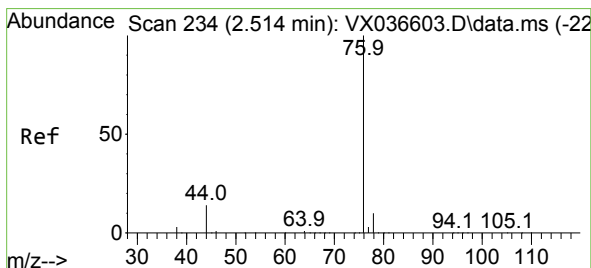
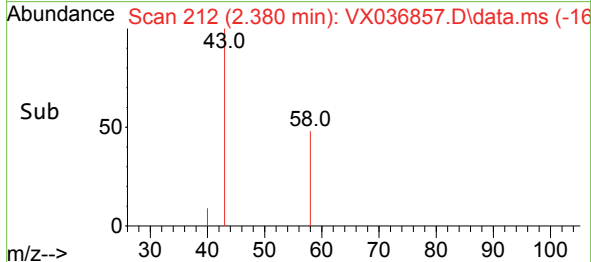
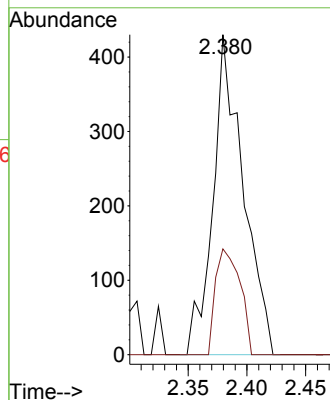
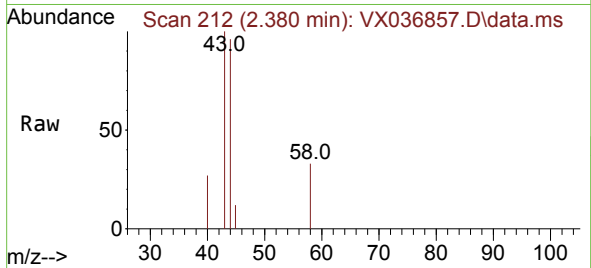
IBLK

Tgt Ion: 43 Resp: 770

Ion Ratio Lower Upper

43 100

58 33.0 21.9 32.9#



#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036857.D

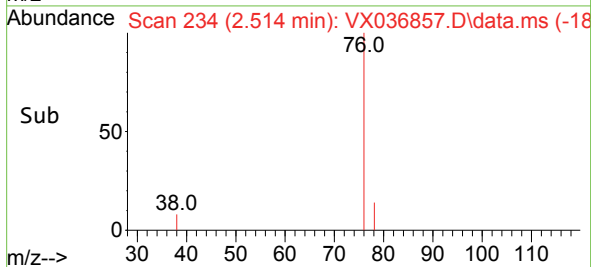
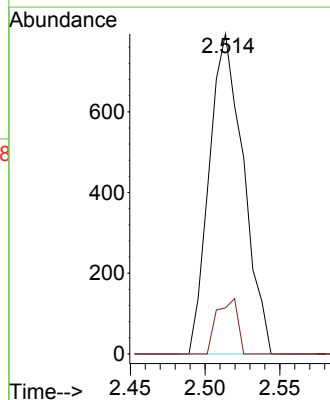
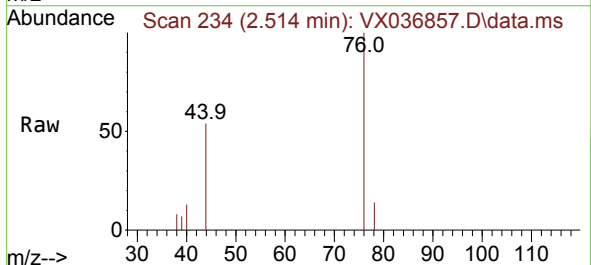
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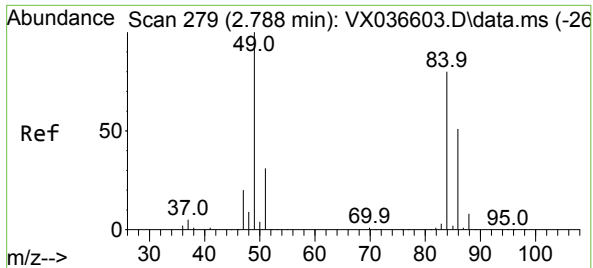
Tgt Ion: 76 Resp: 1262

Ion Ratio Lower Upper

76 100

78 14.4 7.0 10.6#





#20

Methylene Chloride

Concen: 0.510 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX036857.D

Acq: 08 Aug 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 1022

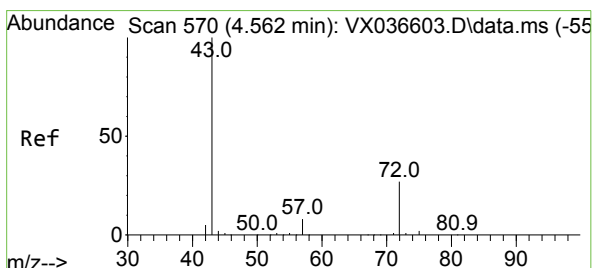
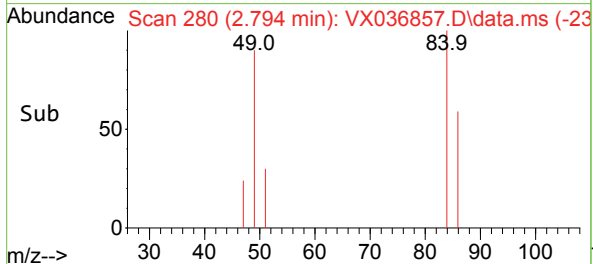
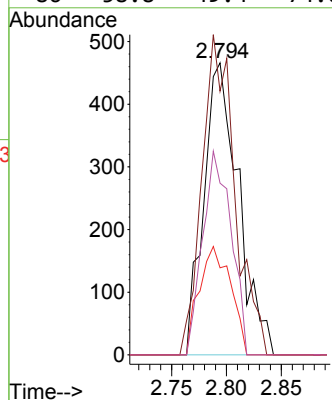
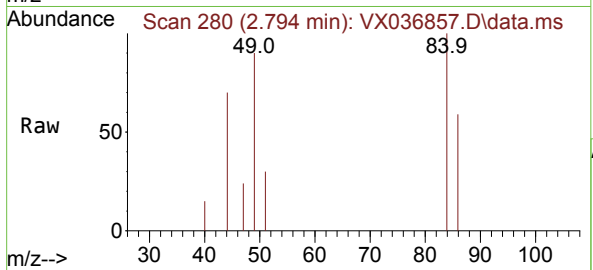
Ion Ratio Lower Upper

84 100

49 90.3 103.6 155.4#

51 29.8 33.8 50.6#

86 58.8 49.4 74.0



#25

2-Butanone

Concen: 0.528 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX036857.D

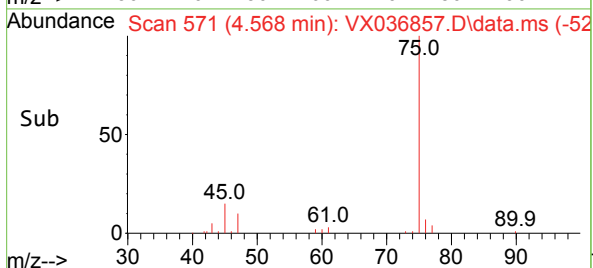
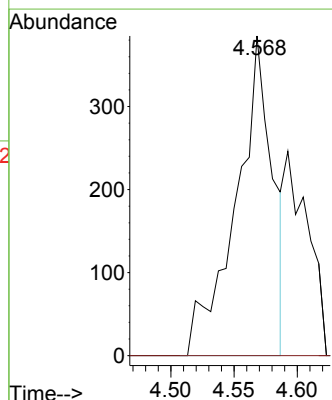
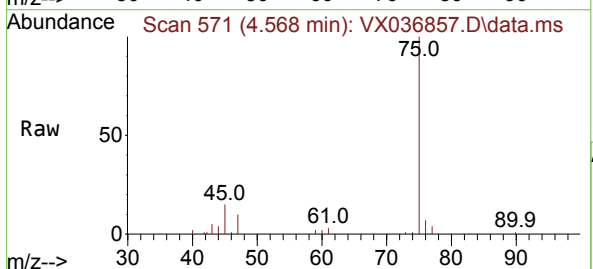
Acq: 08 Aug 2023 12:27

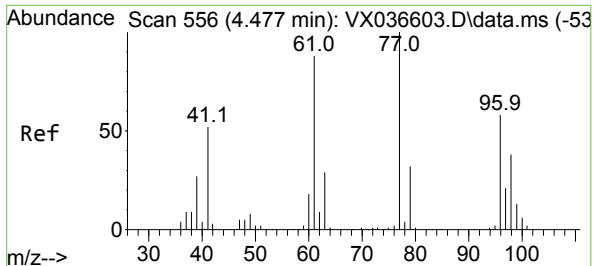
Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 0.345 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.097 min

Lab File: VX036857.D

Acq: 08 Aug 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

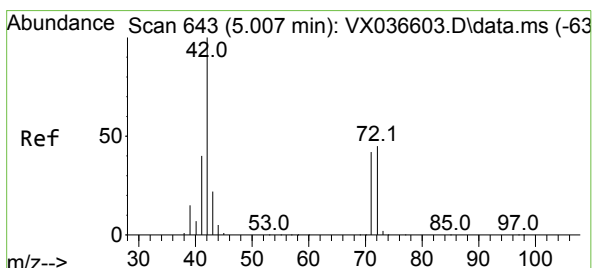
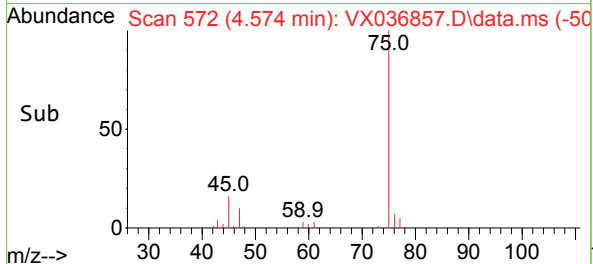
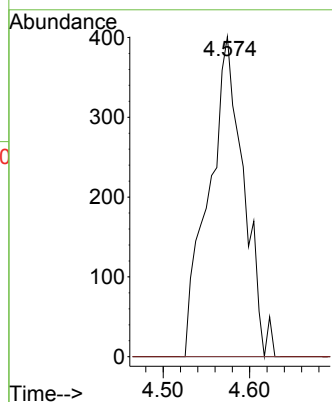
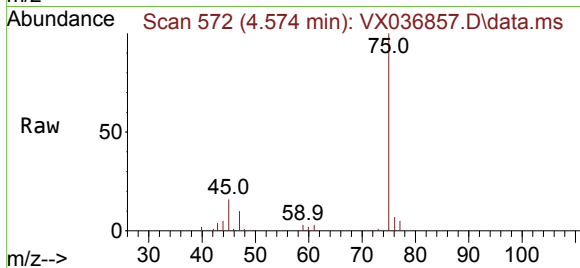
IBLK

Tgt Ion: 77 Resp: 1121

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX036857.D

Acq: 08 Aug 2023 12:27

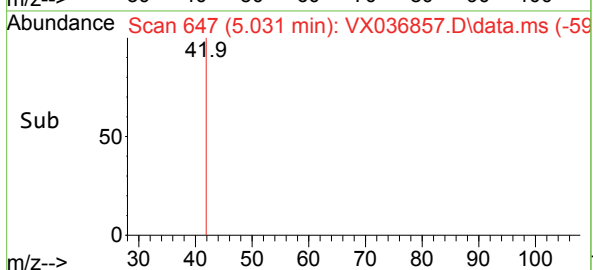
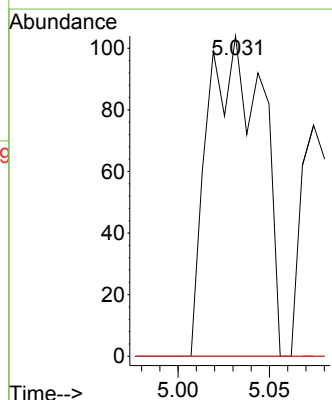
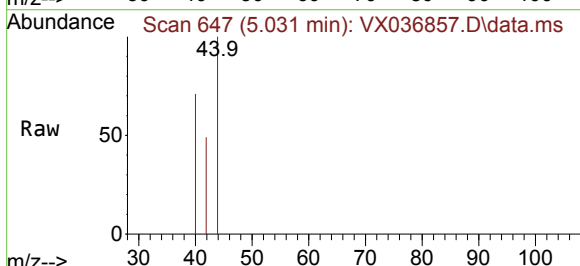
Tgt Ion: 42 Resp: 215

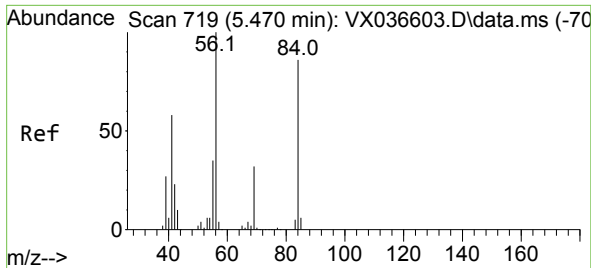
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

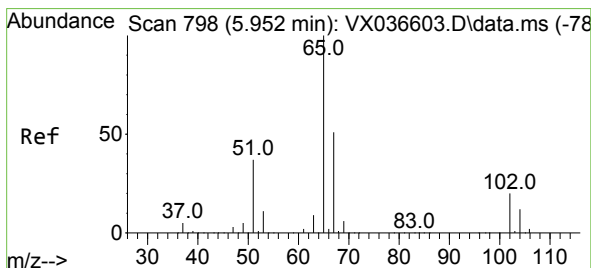
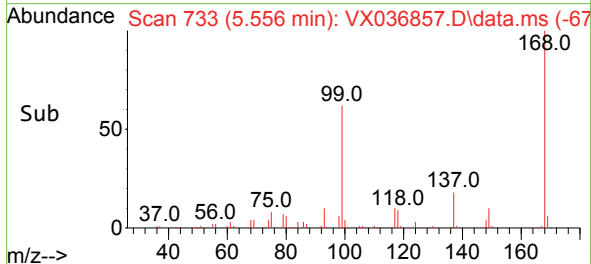
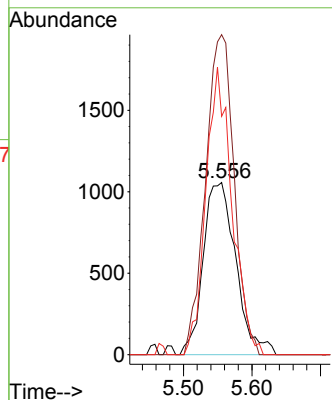
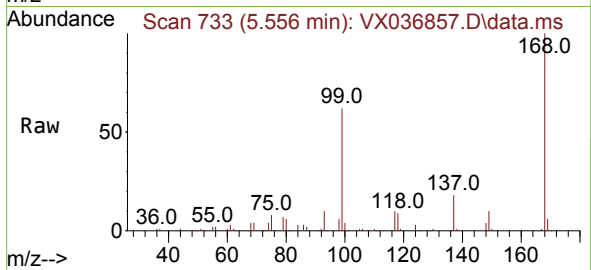




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

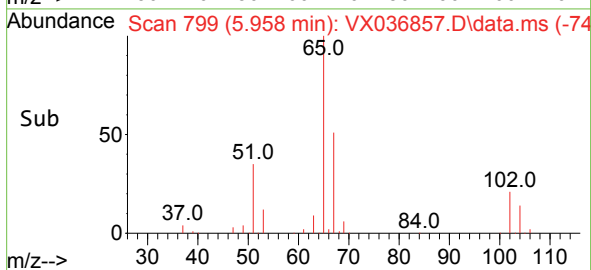
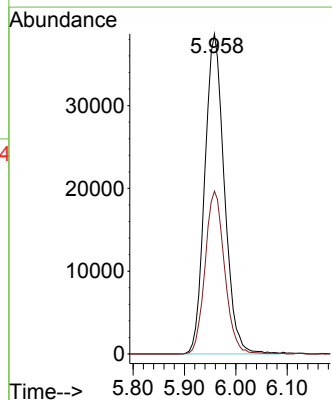
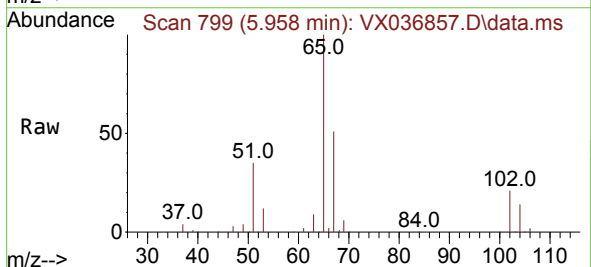
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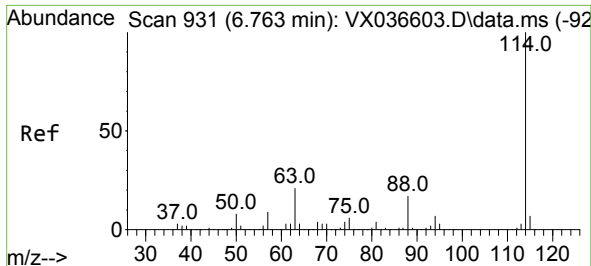
Tgt Ion: 56 Resp: 3492
Ion Ratio Lower Upper
56 100
69 185.8 23.4 35.2#
84 138.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.996 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 65 Resp: 102099
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

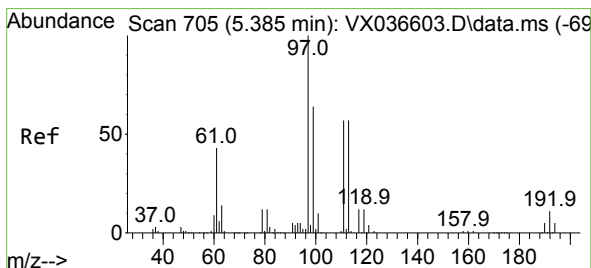
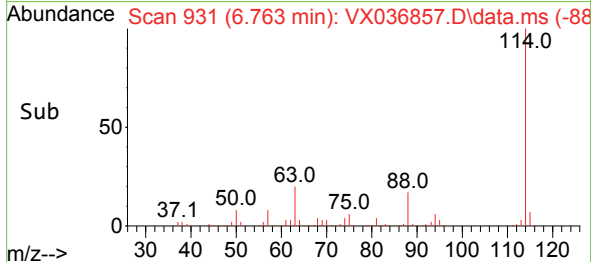
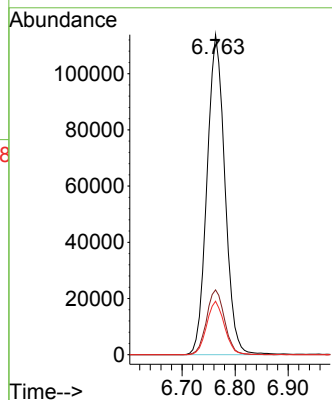
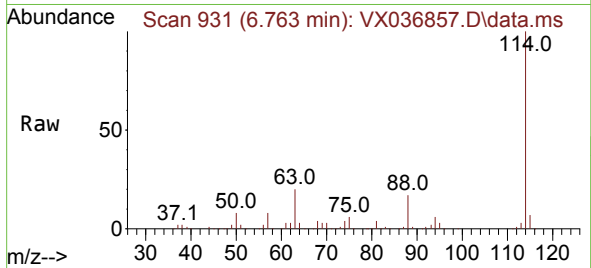




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

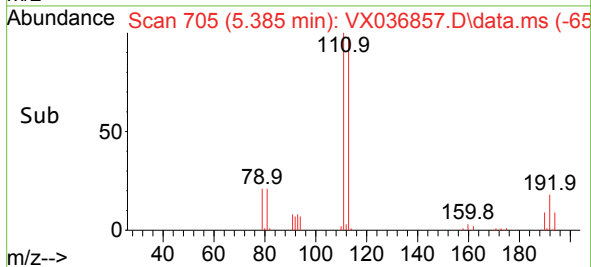
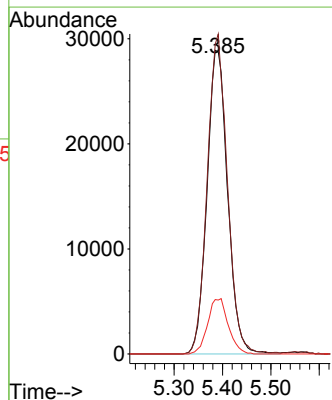
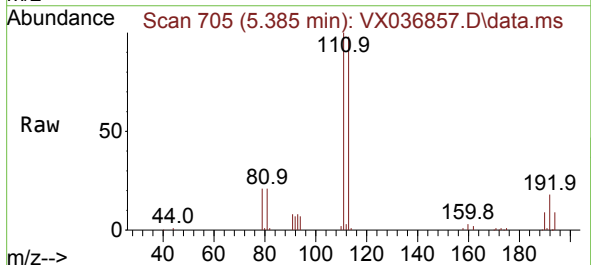
Instrument :
MSVOA_X
ClientSampleId :
IBLK

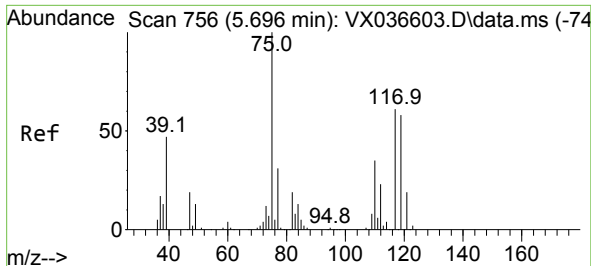
Tgt Ion:114 Resp: 266435
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.790 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion:113 Resp: 85688
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.2 13.3 19.9

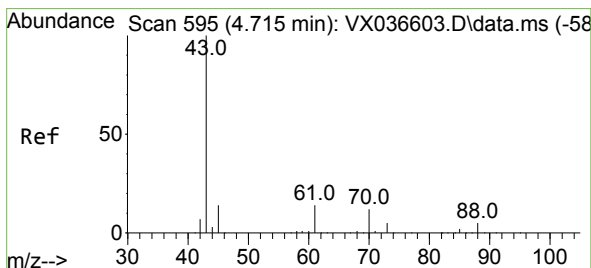
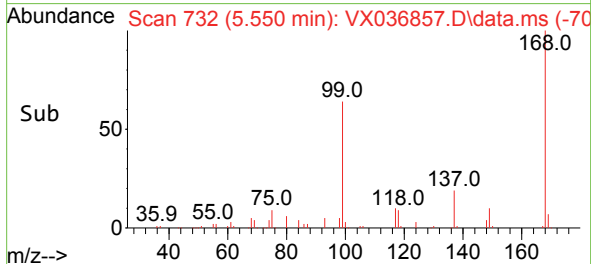
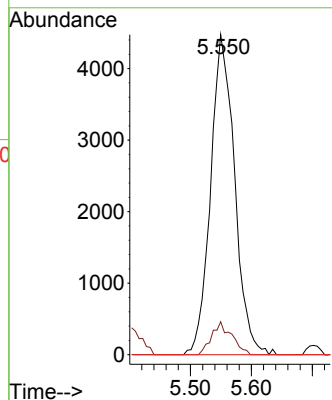
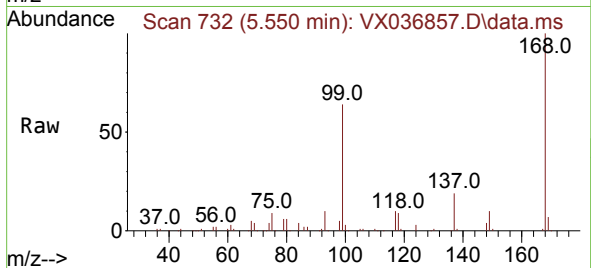




#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

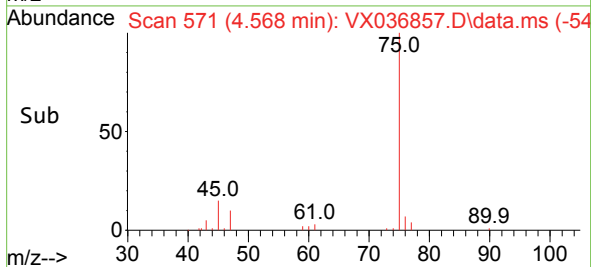
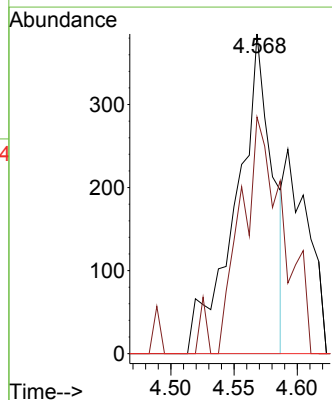
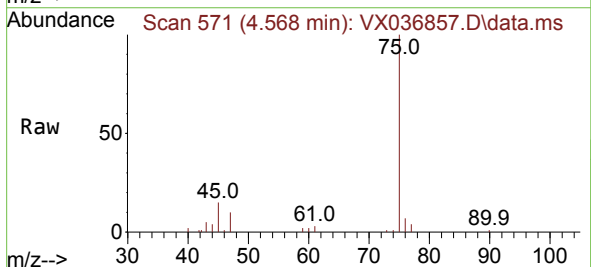
Instrument :
MSVOA_X
ClientSampleId :
IBLK

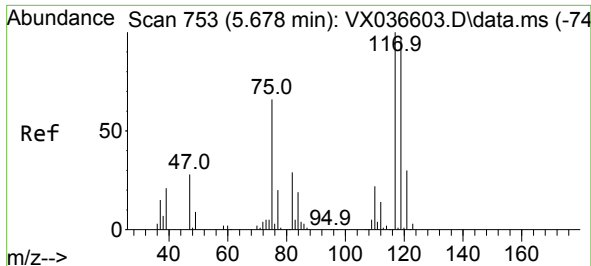
Tgt Ion: 75 Resp: 12243
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.250 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

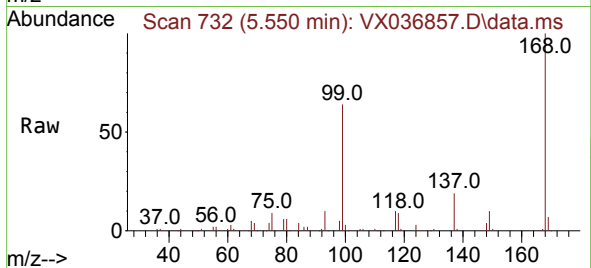
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
61 84.7 10.6 16.0#
70 0.0 8.3 12.5#



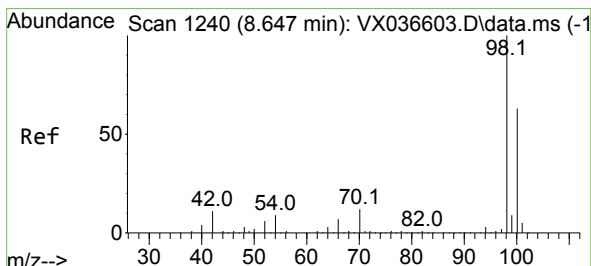
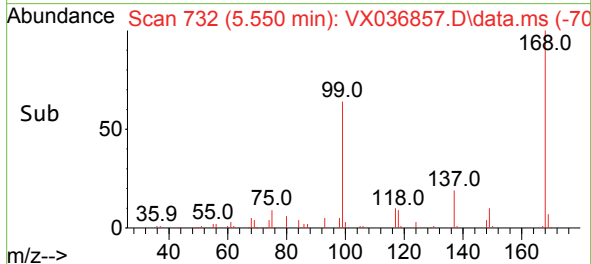
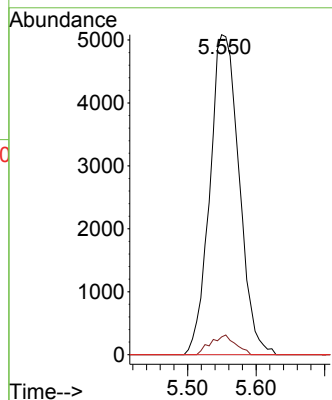


#38
Carbon Tetrachloride
Concen: 5.186 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK

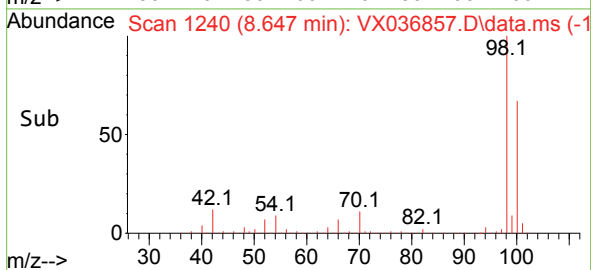
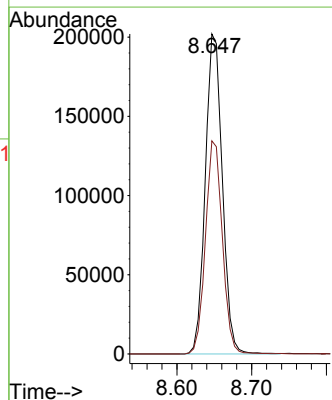
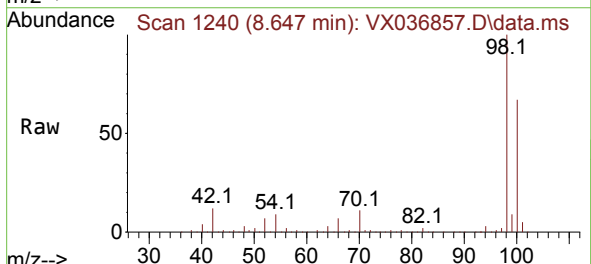


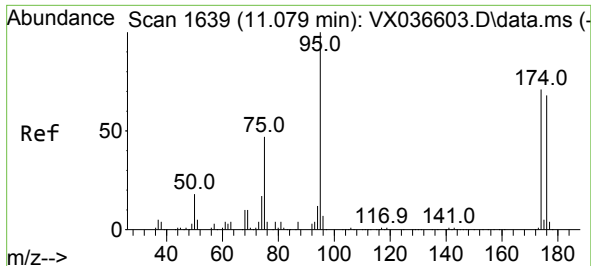
Tgt Ion:117 Resp: 15049
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.162 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 98 Resp: 319270
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

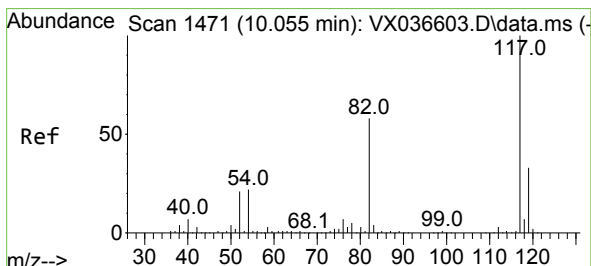
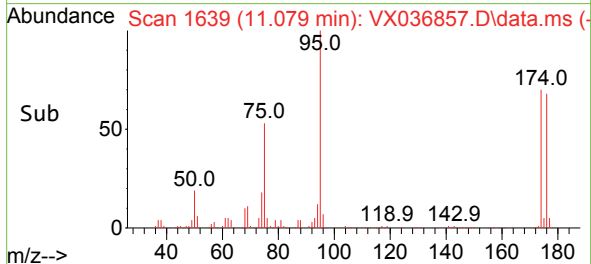
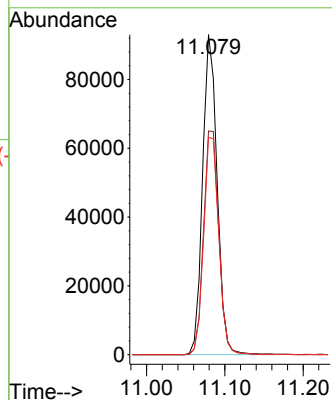
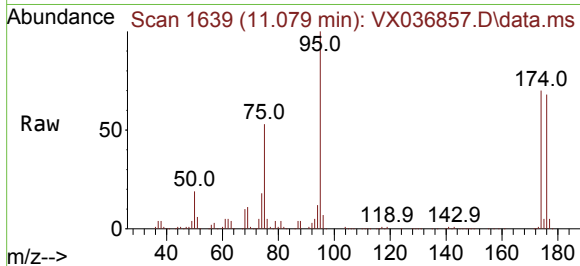




#62
4-Bromofluorobenzene
Concen: 48.913 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

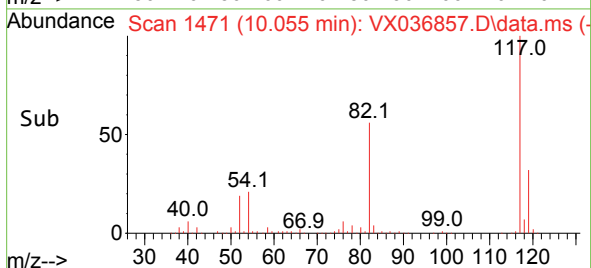
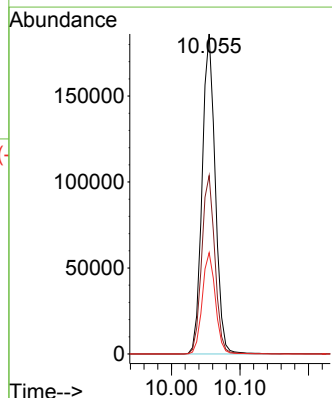
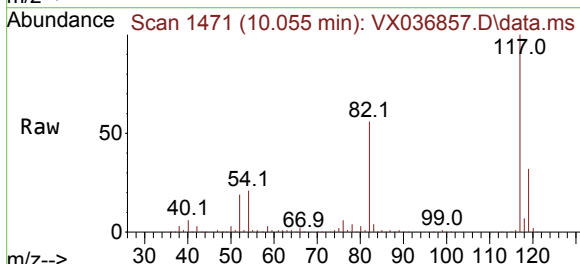
Instrument :
MSVOA_X
ClientSampleId :
IBLK

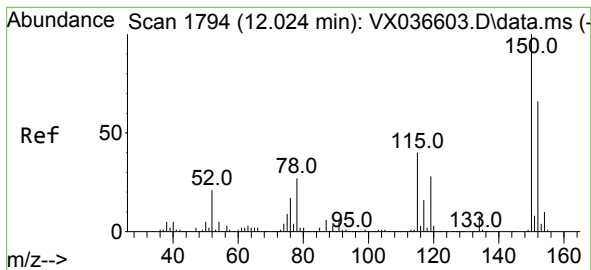
Tgt Ion: 95 Resp: 119847
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.6
176 70.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 117 Resp: 247694
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 31.7 25.5 38.3

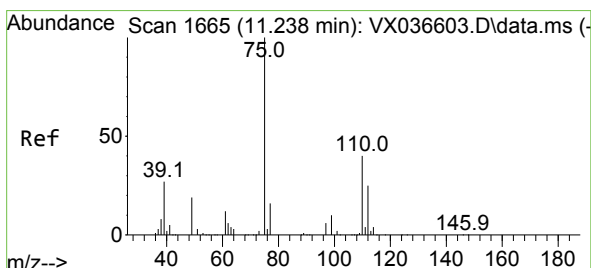
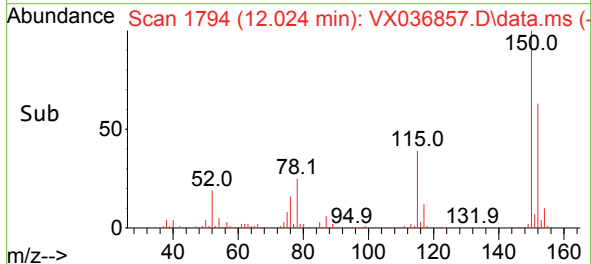
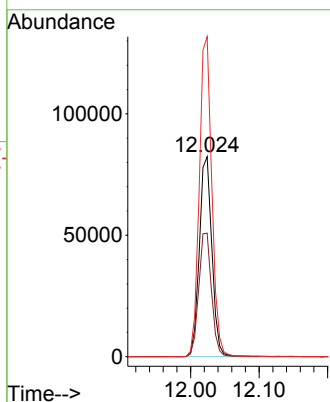
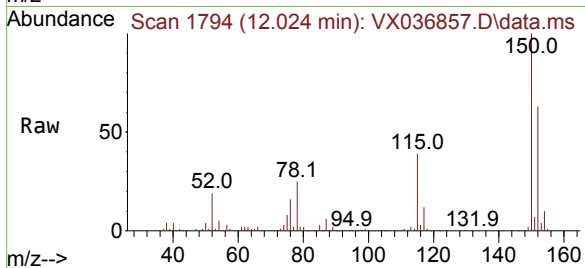




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

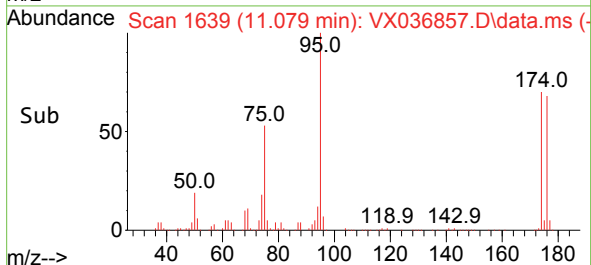
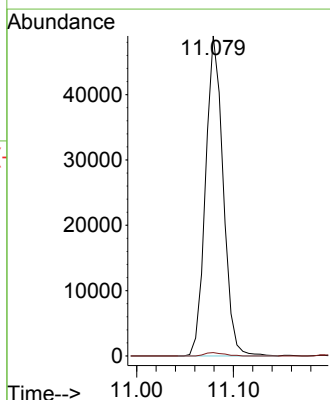
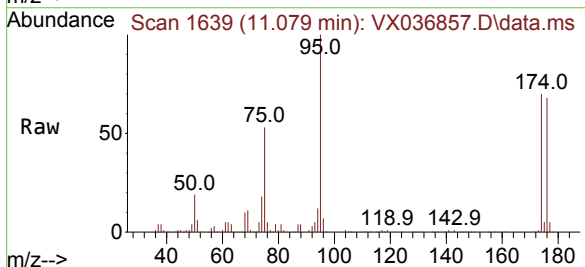
Instrument :
MSVOA_X
ClientSampleId :
IBLK

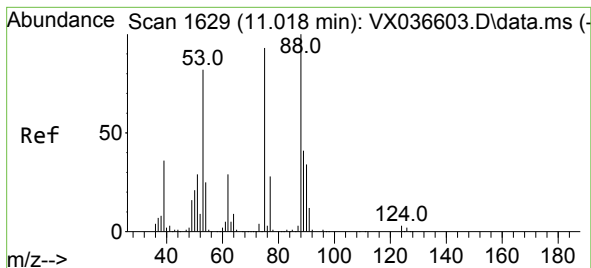
Tgt Ion:152 Resp: 105248
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 159.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 75 Resp: 62006
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

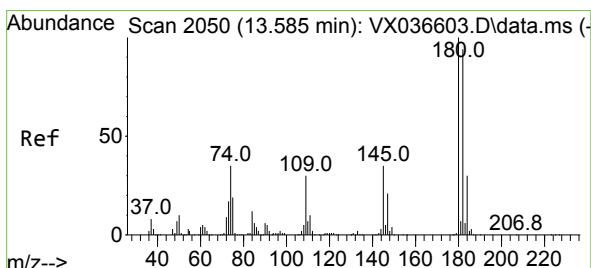
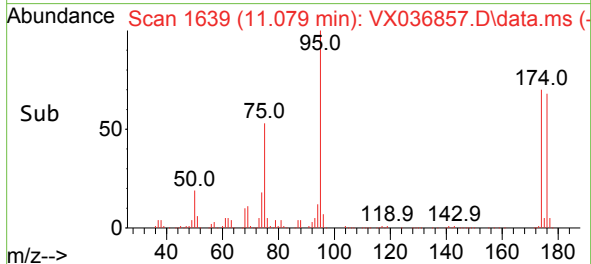
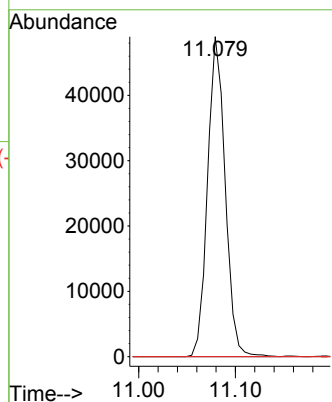
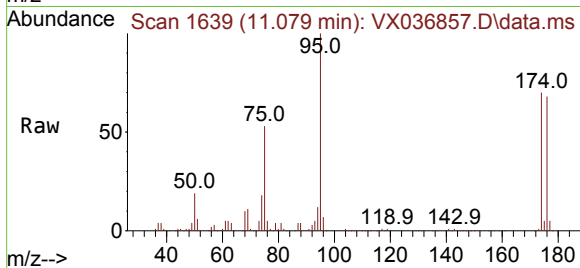




#81
trans-1,4-Dichloro-2-butene
Concen: 56.771 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

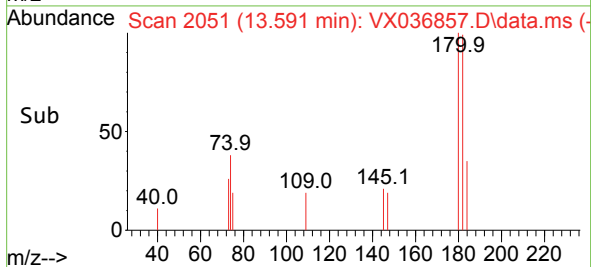
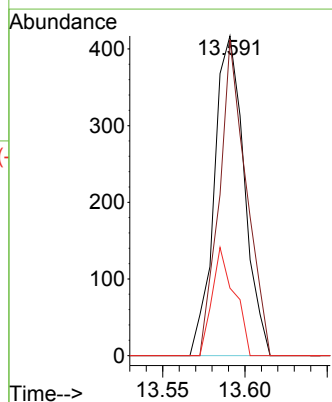
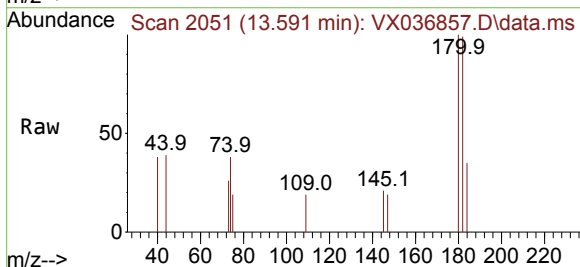
Instrument :
MSVOA_X
ClientSampleId :
IBLK

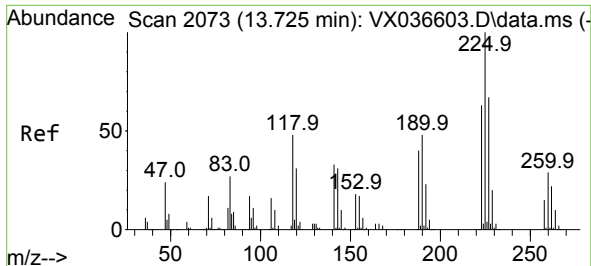
Tgt Ion: 75 Resp: 62006
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.242 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

Tgt Ion:180 Resp: 529
Ion Ratio Lower Upper
180 100
182 88.7 48.3 144.8
145 25.1 18.0 54.0

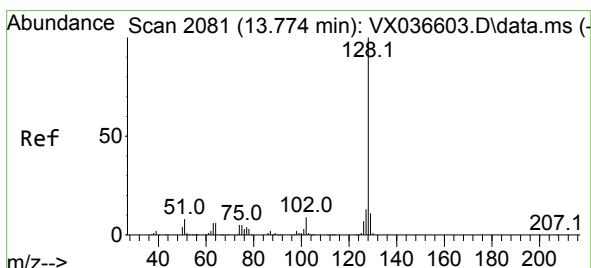
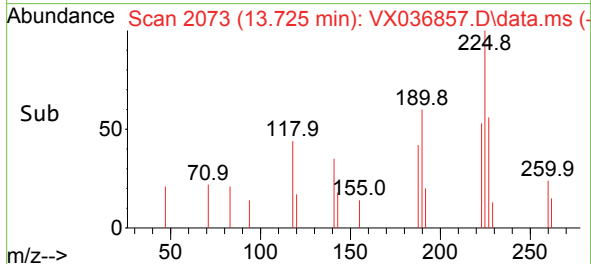
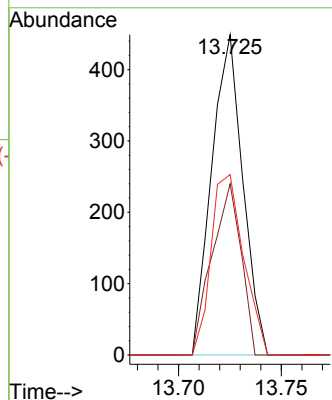
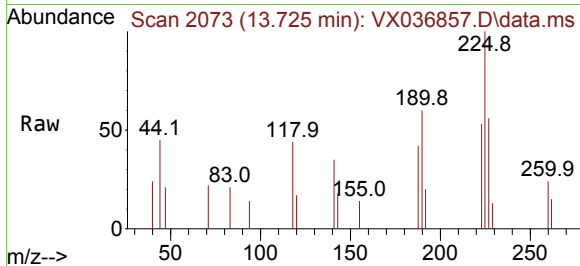




#94
Hexachlorobutadiene
Concen: 0.523 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

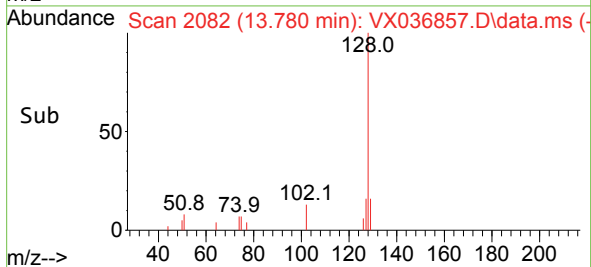
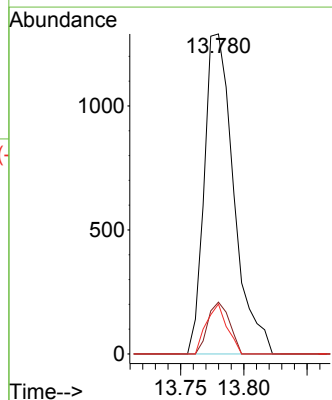
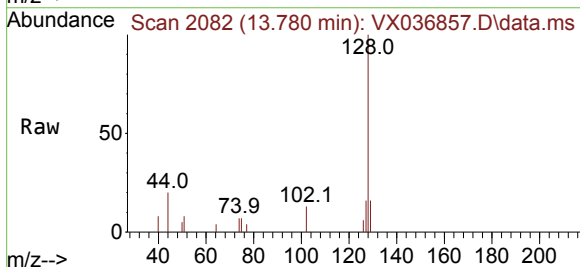
Instrument :
MSVOA_X
ClientSampleId :
IBLK

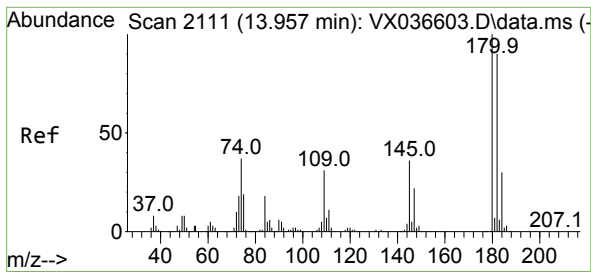
Tgt Ion:	225	Resp:	473
Ion	Ratio	Lower	Upper
225	100		
223	49.9	31.1	93.2
227	59.0	32.5	97.5



#95
Naphthalene
Concen: 0.275 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036857.D
Acq: 08 Aug 2023 12:27

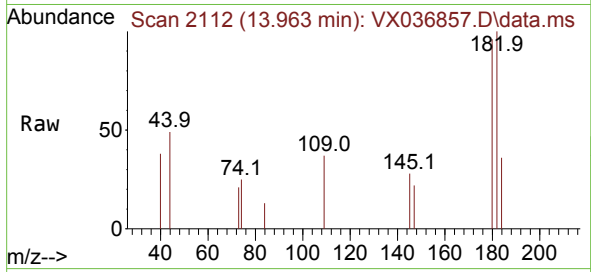
Tgt Ion:	128	Resp:	2090
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	11.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.266 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX036857.D
 Acq: 08 Aug 2023 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	573
Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	24.1	17.8	53.5

