

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072822\
 Data File : VX030283.D
 Acq On : 28 Jul 2022 20:30
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 29 06:00:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

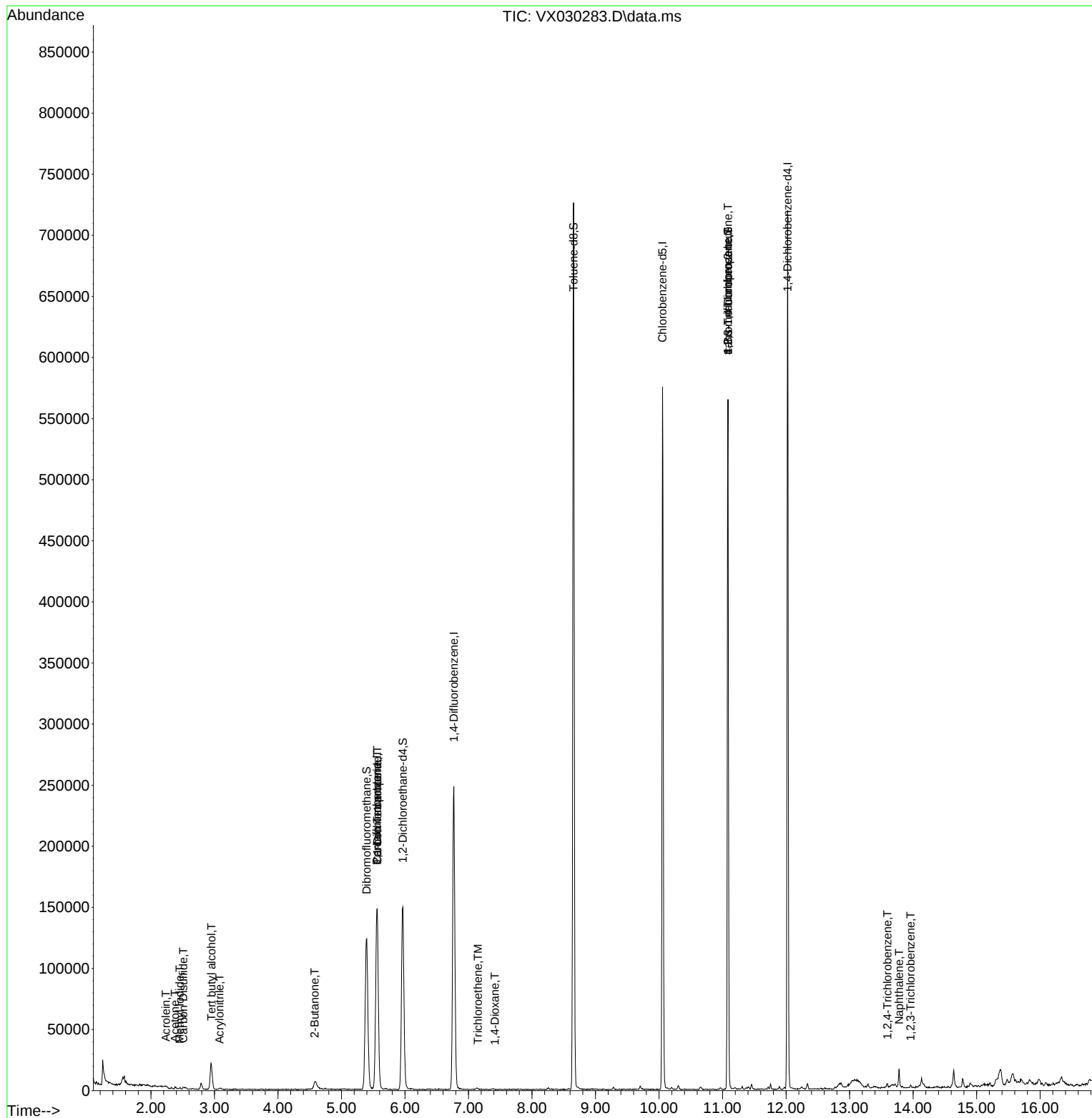
Internal Standards						
1) Pentafluorobenzene	5.556	168	142522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	251889	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143256	50.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.020%
35) Dibromofluoromethane	5.397	113	113530	47.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.300%
50) Toluene-d8	8.653	98	424524	45.525	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.060%
62) 4-Bromofluorobenzene	11.085	95	151981	43.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	921	Below Cal		87
10) Methyl Iodide	2.453	142	930	1.931	ug/l	96
11) Tert butyl alcohol	2.953	59	12405	17.753	ug/l #	82
13) Acrolein	2.233	56	65	0.378	ug/l #	1
15) Acrylonitrile	3.081	53	578	0.335	ug/l #	58
16) Acetone	2.380	43	1454	0.991	ug/l #	84
17) Carbon Disulfide	2.508	76	1963	0.327	ug/l	99
20) Methylene Chloride	2.794	84	1980	Below Cal		86
25) 2-Butanone	4.574	43	622	0.252	ug/l #	48
36) 1,1-Dichloropropene	5.562	75	11820	3.411	ug/l #	44
38) Carbon Tetrachloride	5.562	117	14230	4.399	ug/l #	18
44) Trichloroethene	7.147	130	617	0.207	ug/l	79
49) 1,4-Dioxane	7.415	88	23	0.281	ug/l #	25
67) Ethyl Benzene	10.195	91	1051	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.085	75	77660	20.479	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	77660	61.435	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.597	180	753	0.258	ug/l	87
95) Naphthalene	13.780	128	9545	0.837	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	706	0.236	ug/l	84

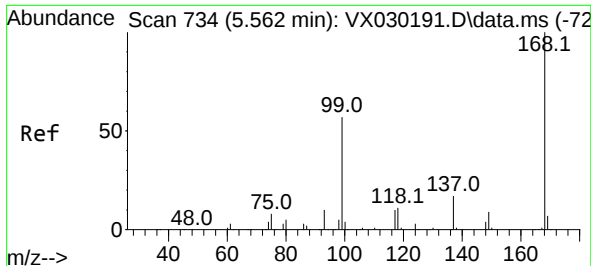
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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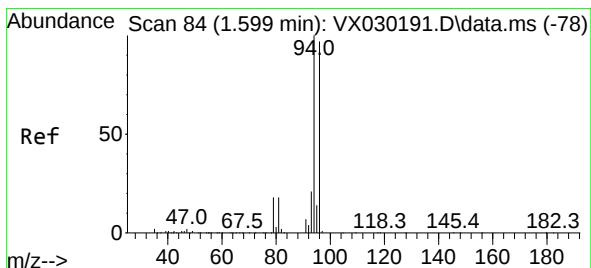
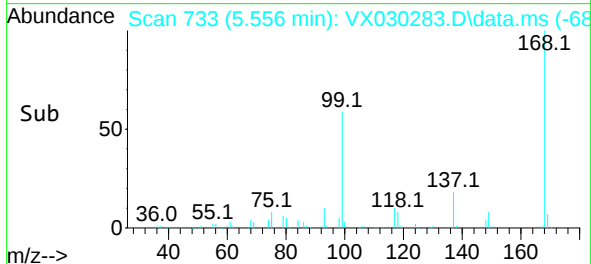
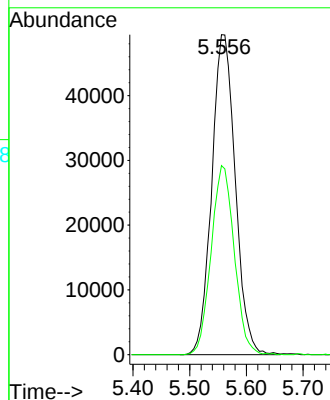
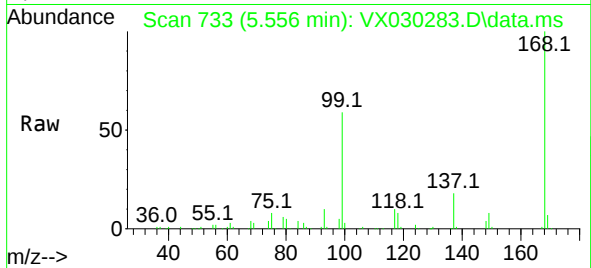




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

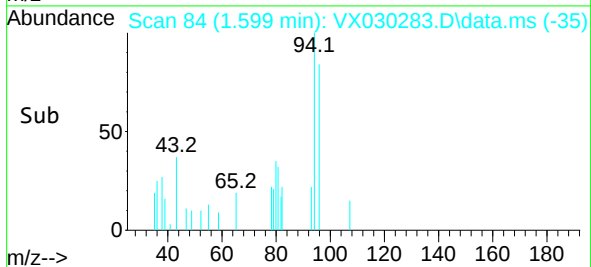
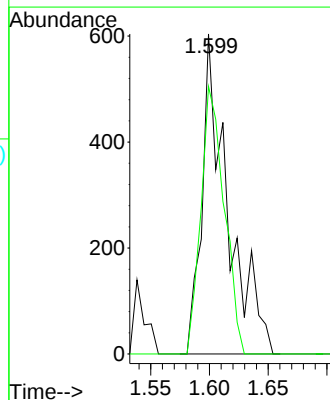
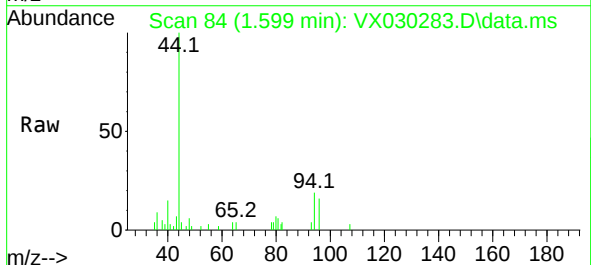
Instrument :
MSVOA_X
ClientSampleId :
IBLK

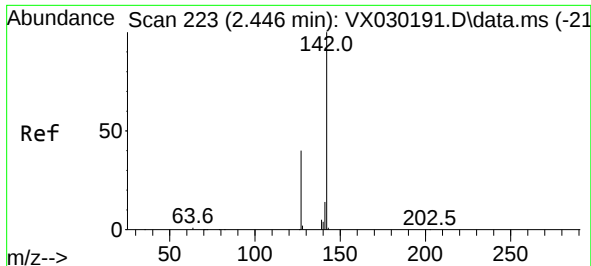
Tgt Ion:168 Resp: 142522
Ion Ratio Lower Upper
168 100
99 59.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 94 Resp: 921
Ion Ratio Lower Upper
94 100
96 83.6 76.9 115.3

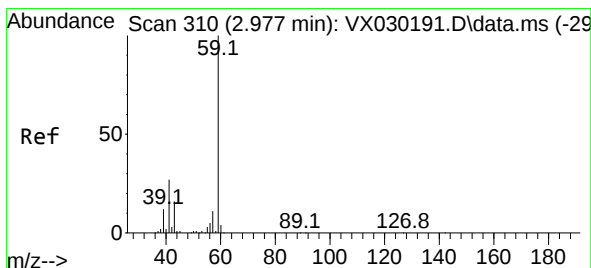
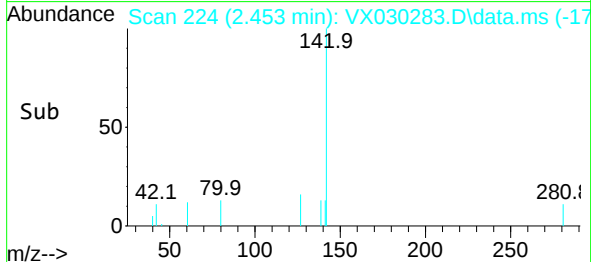
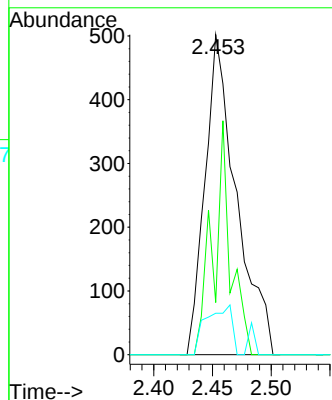
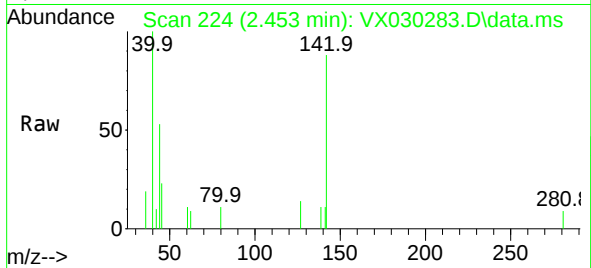




#10
Methyl Iodide
Concen: 1.931 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

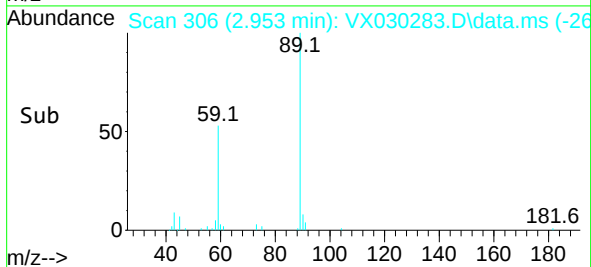
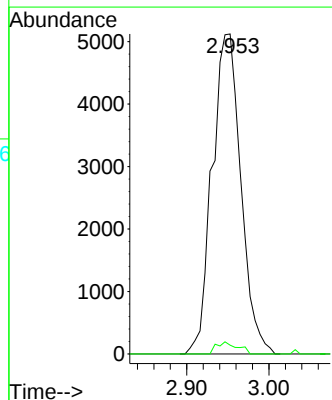
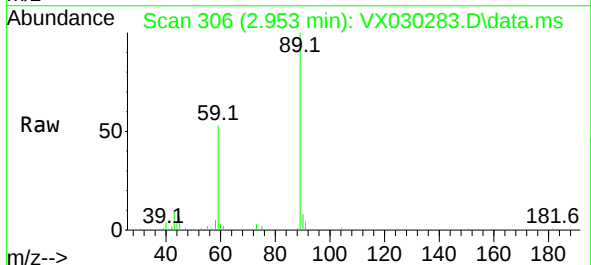
Instrument :
MSVOA_X
ClientSampleId :
IBLK

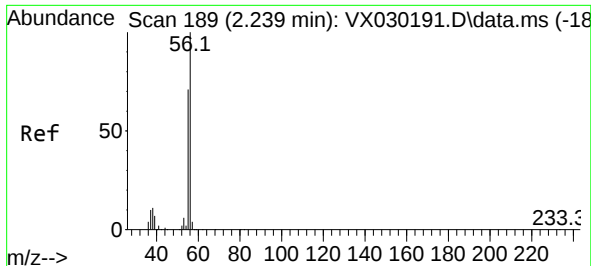
Tgt Ion:142 Resp: 930
Ion Ratio Lower Upper
142 100
127 40.4 30.2 45.2
141 12.6 11.3 16.9



#11
Tert butyl alcohol
Concen: 17.753 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 59 Resp: 12405
Ion Ratio Lower Upper
59 100
57 2.8 7.4 11.2#

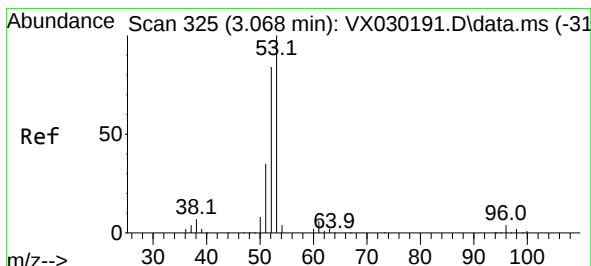
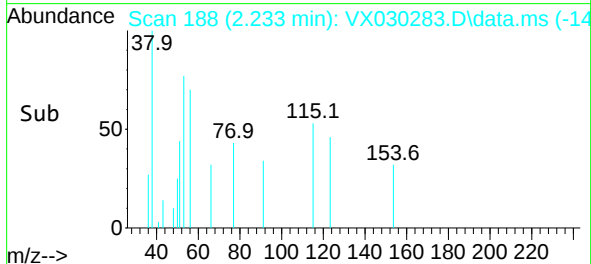
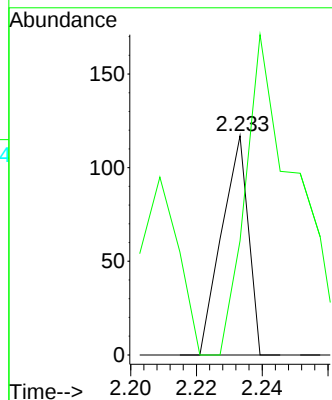
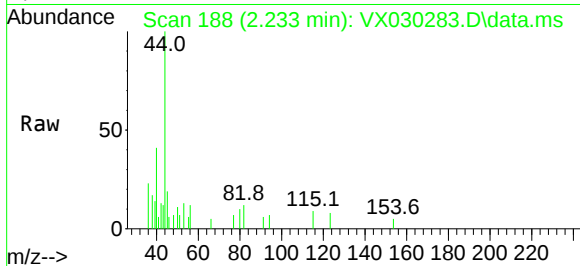




#13
Acrolein
Concen: 0.378 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

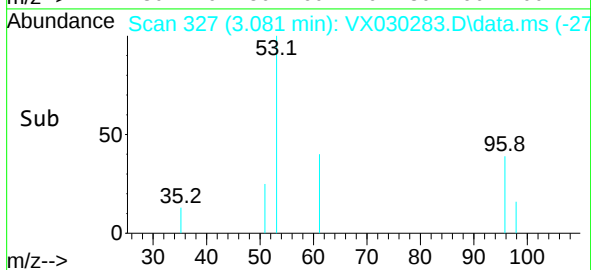
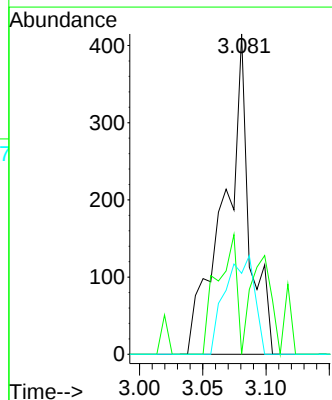
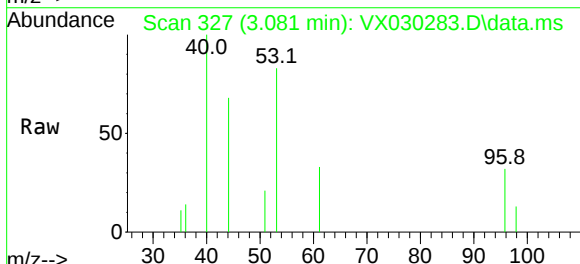
Instrument :
MSVOA_X
ClientSampleId :
IBLK

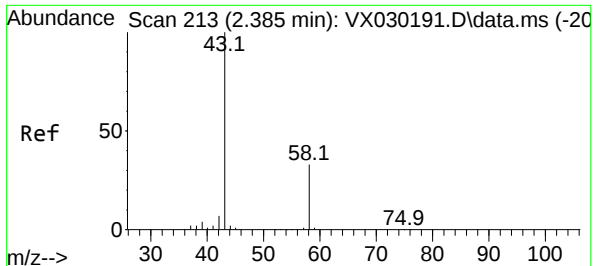
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 275.4 56.6 84.8#



#15
Acrylonitrile
Concen: 0.335 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.013 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 53 Resp: 578
Ion Ratio Lower Upper
53 100
52 29.1 65.4 98.0#
51 35.6 27.7 41.5

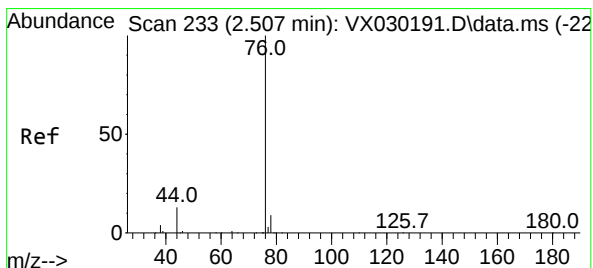
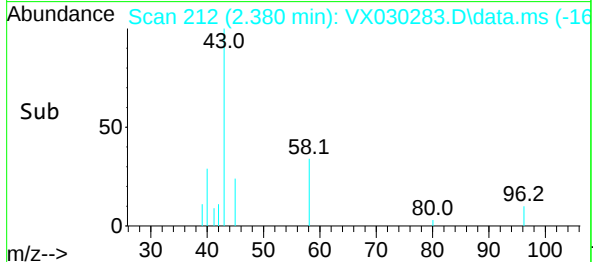
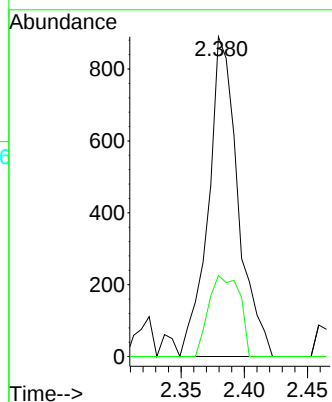
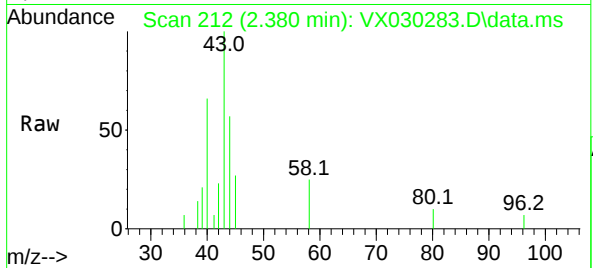




#16
Acetone
Concen: 0.991 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

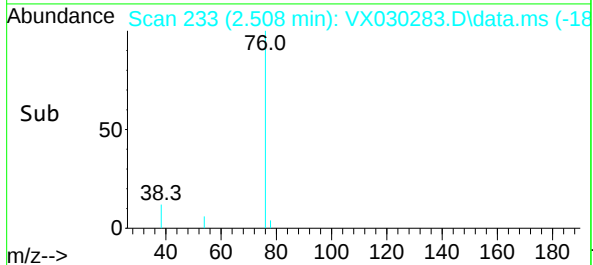
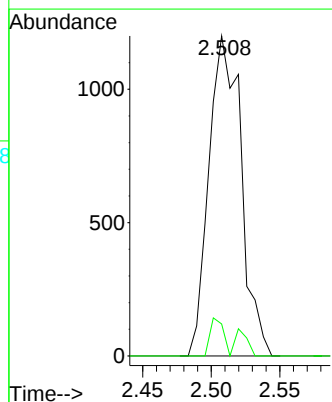
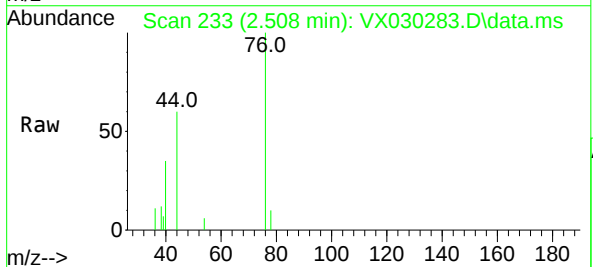
Instrument :
MSVOA_X
ClientSampleId :
IBLK

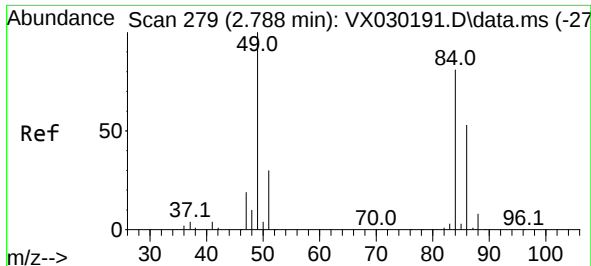
Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
58 25.4 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 76 Resp: 1963
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.6

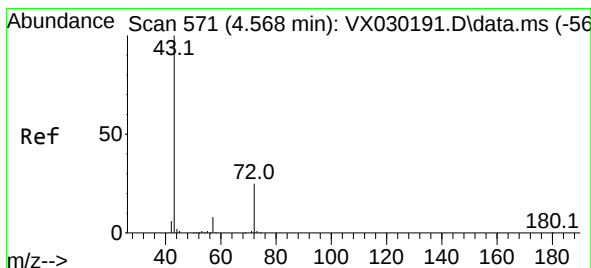
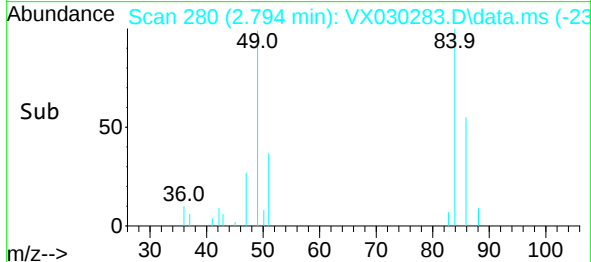
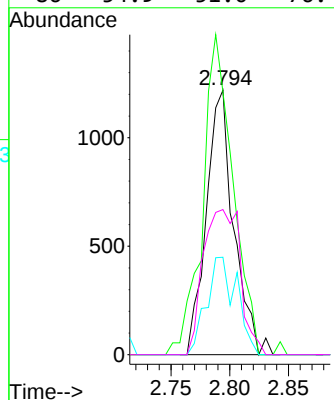
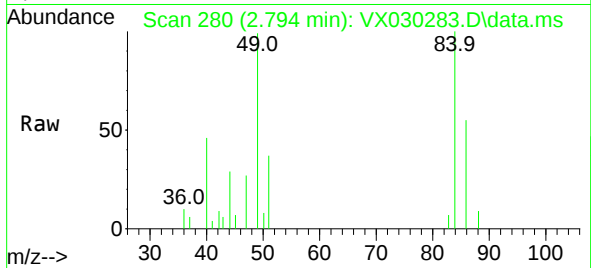




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

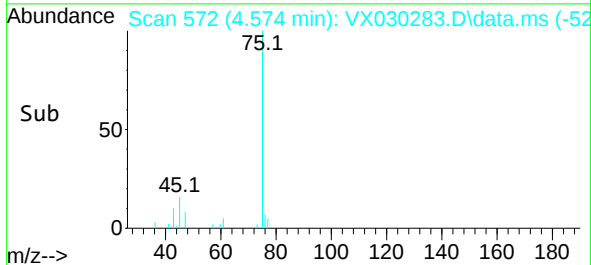
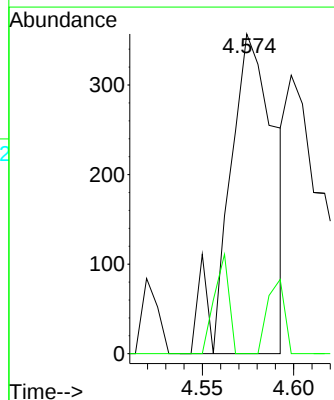
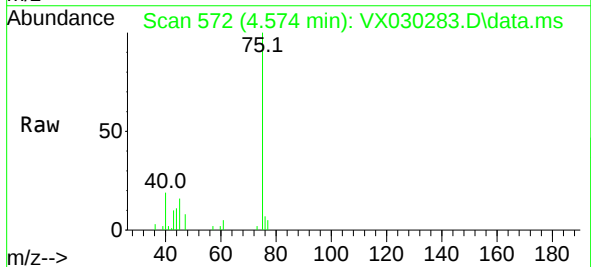
Instrument :
MSVOA_X
ClientSampleId :
IBLK

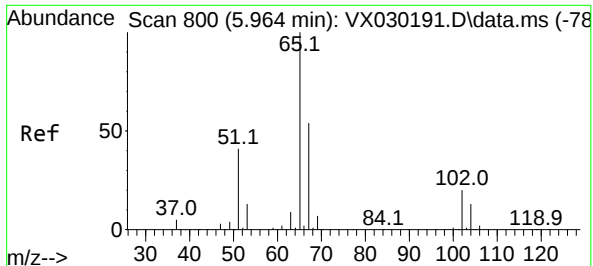
Tgt Ion:	84	Resp:	1980
Ion	Ratio	Lower	Upper
84	100		
49	94.8	93.8	140.6
51	36.8	29.4	44.0
86	54.9	51.0	76.4



#25
2-Butanone
Concen: 0.252 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion:	43	Resp:	622
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#33

1,2-Dichloroethane-d4

Concen: 50.009 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030283.D

Acq: 28 Jul 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

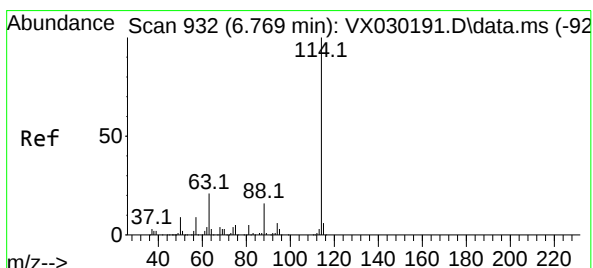
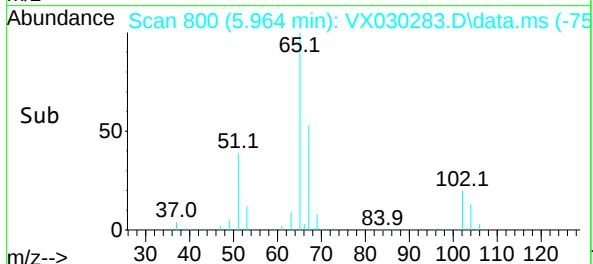
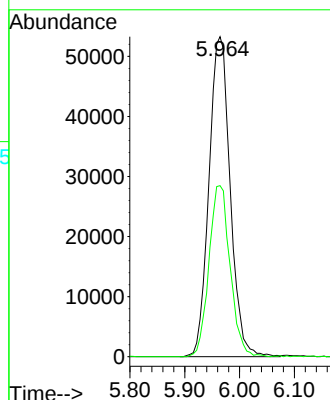
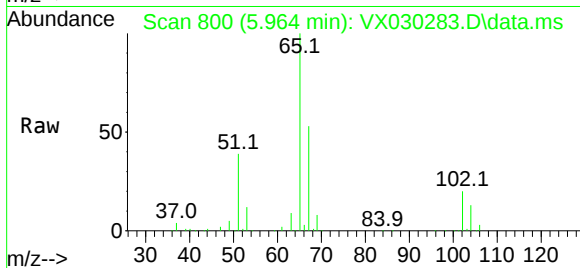
IBLK

Tgt Ion: 65 Resp: 143256

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030283.D

Acq: 28 Jul 2022 20:30

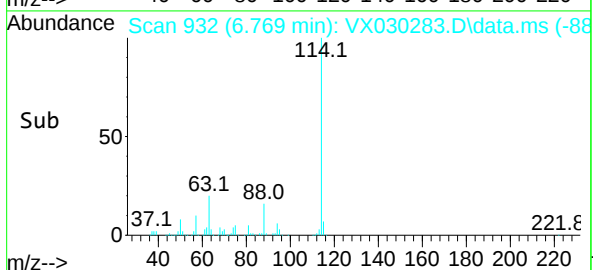
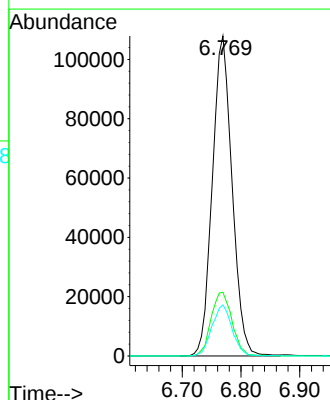
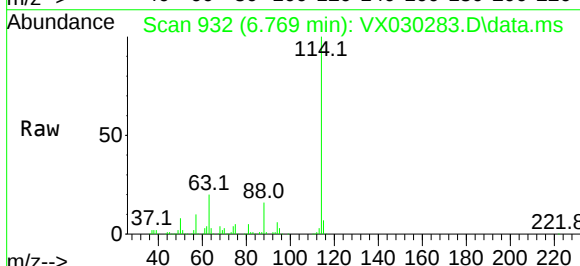
Tgt Ion: 114 Resp: 251889

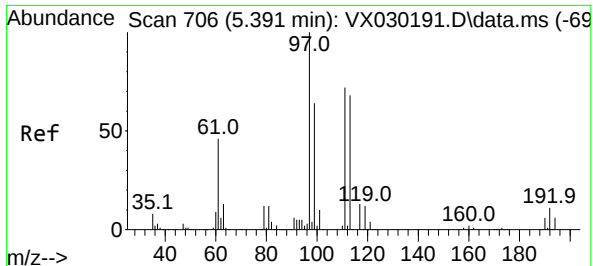
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.148 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030283.D

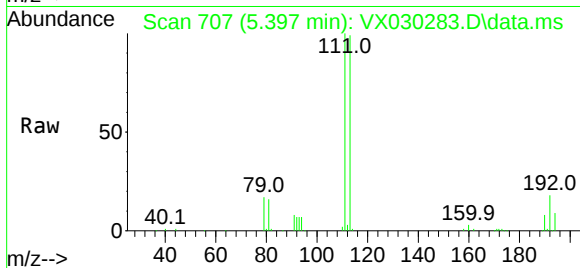
Acq: 28 Jul 2022 20:30

Instrument :

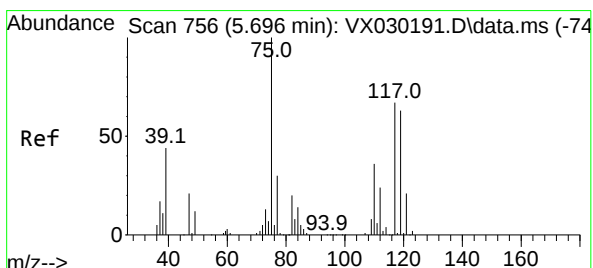
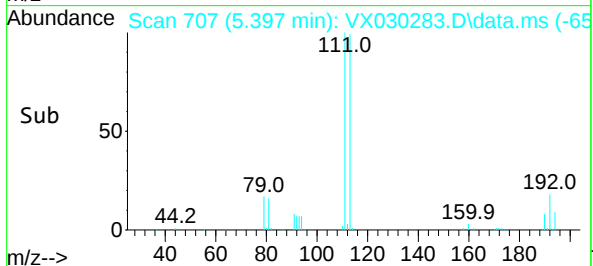
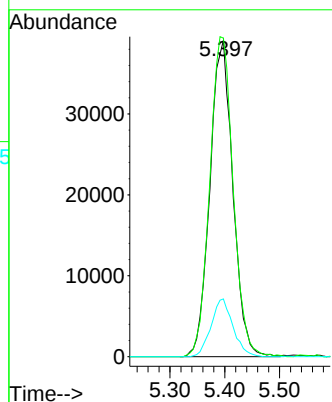
MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:	113	Resp:	113530
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.2	124.8
192	17.5	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.411 ug/l

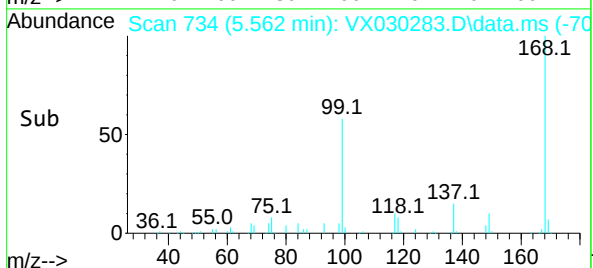
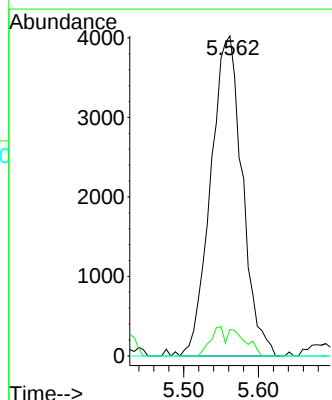
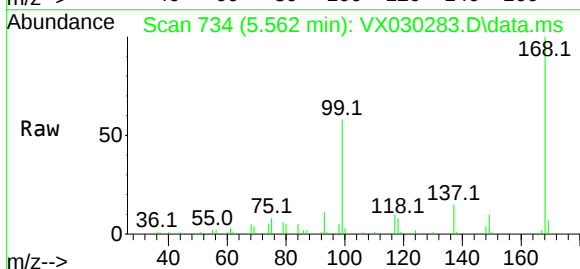
RT: 5.562 min Scan# 734

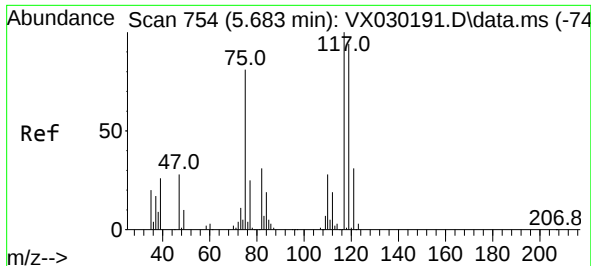
Delta R.T. -0.134 min

Lab File: VX030283.D

Acq: 28 Jul 2022 20:30

Tgt Ion:	75	Resp:	11820
Ion	Ratio	Lower	Upper
75	100		
110	4.7	19.3	57.9#
77	0.0	24.4	36.6#

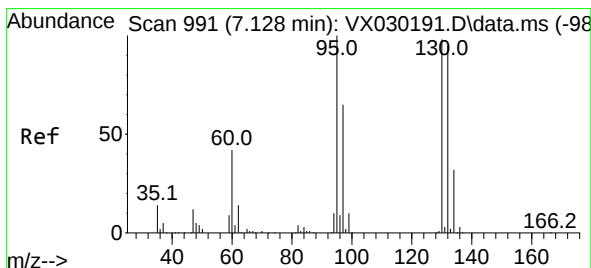
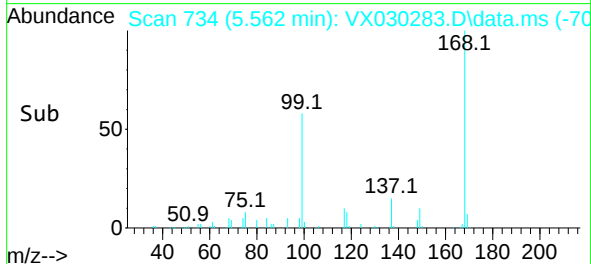
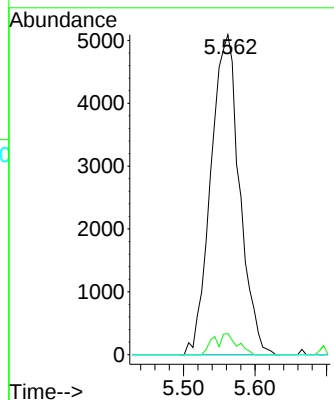
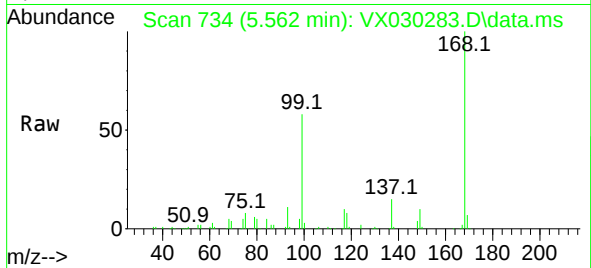




#38
Carbon Tetrachloride
Concen: 4.399 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

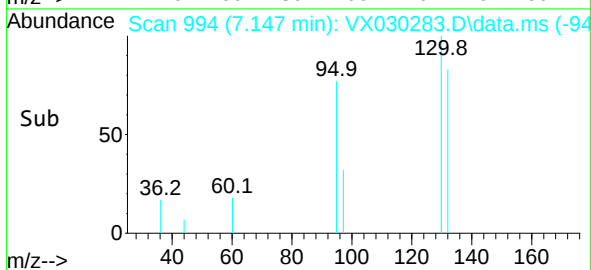
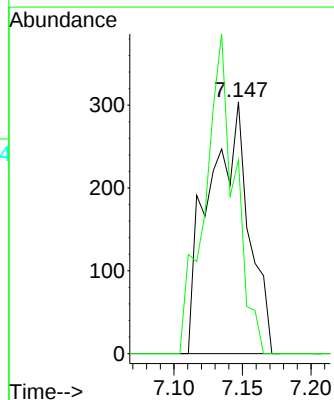
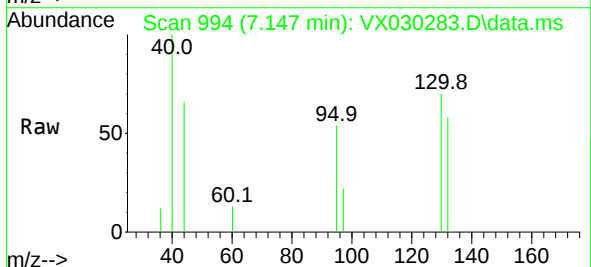
Instrument :
MSVOA_X
ClientSampleId :
IBLK

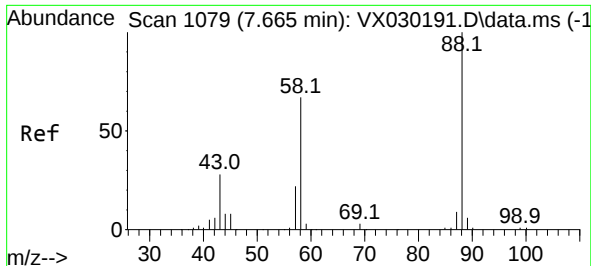
Tgt Ion:117 Resp: 14230
Ion Ratio Lower Upper
117 100
119 6.6 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.207 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.019 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion:130 Resp: 617
Ion Ratio Lower Upper
130 100
95 77.0 0.0 194.8





#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.250 min

Lab File: VX030283.D

Acq: 28 Jul 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

IBLK

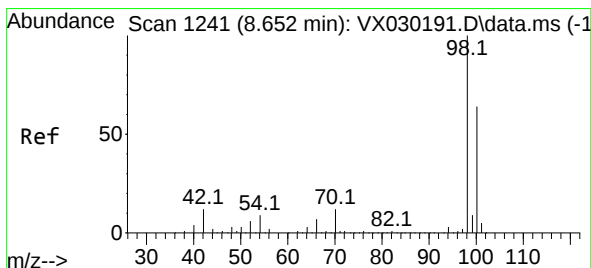
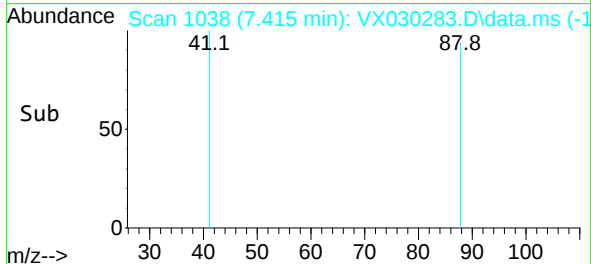
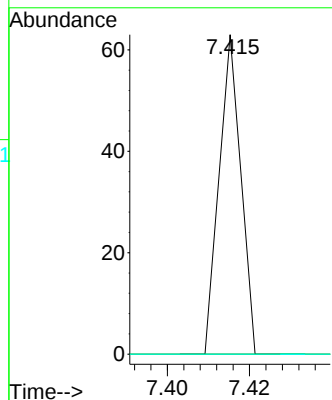
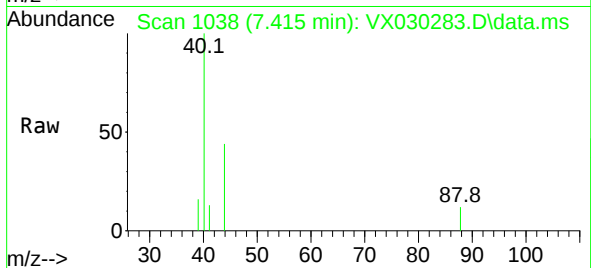
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 45.525 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030283.D

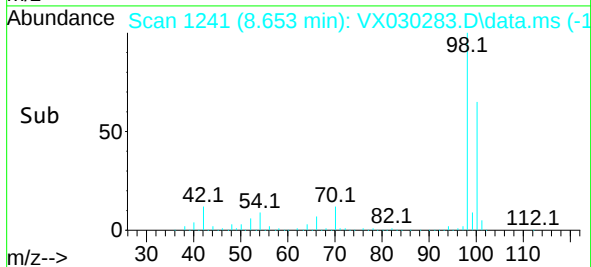
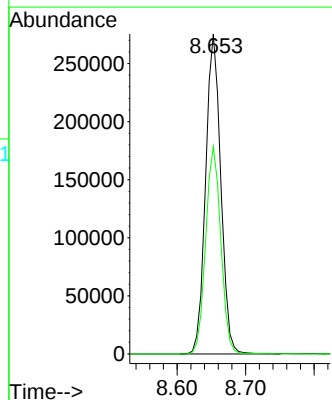
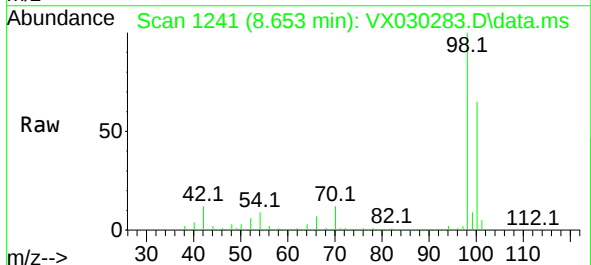
Acq: 28 Jul 2022 20:30

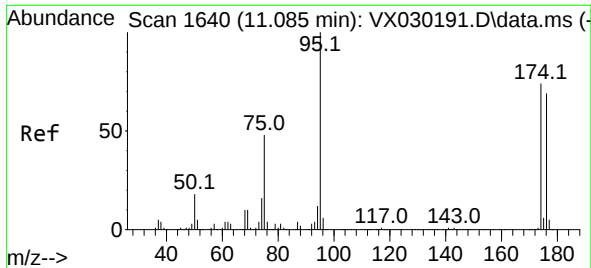
Tgt Ion: 98 Resp: 424524

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

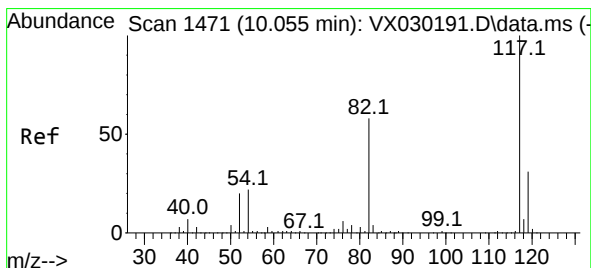
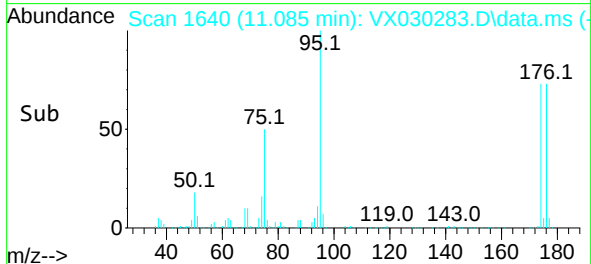
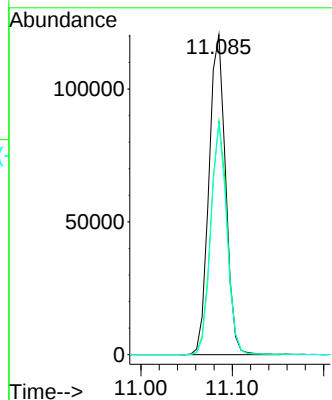
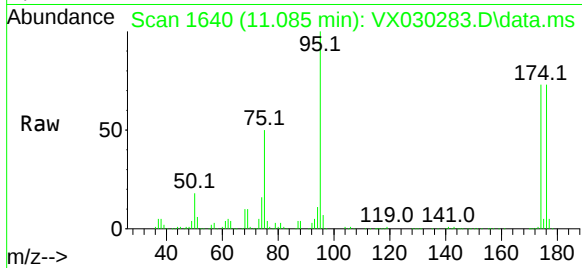




#62
4-Bromofluorobenzene
Concen: 43.915 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

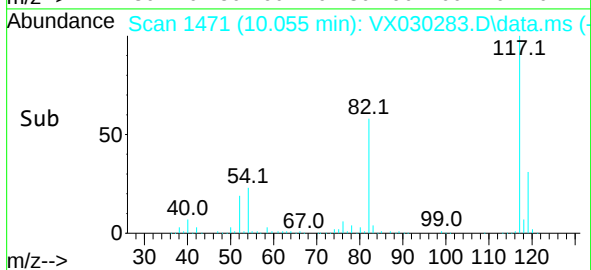
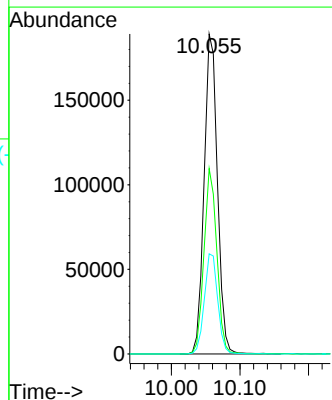
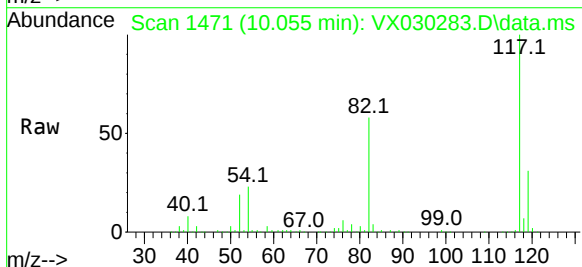
Instrument :
MSVOA_X
ClientSampleId :
IBLK

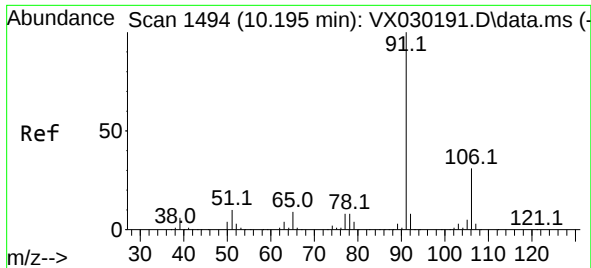
Tgt Ion: 95 Resp: 151981
Ion Ratio Lower Upper
95 100
174 72.2 0.0 149.0
176 69.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 117 Resp: 255976
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 31.3 25.4 38.2





#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

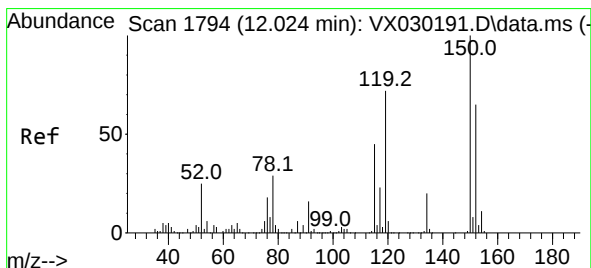
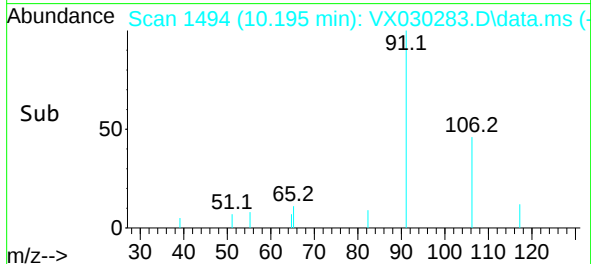
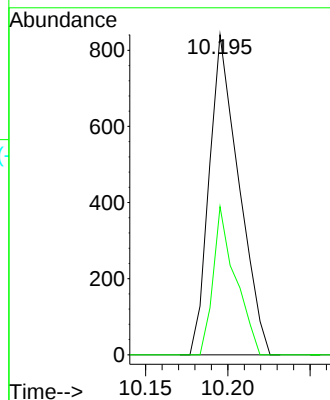
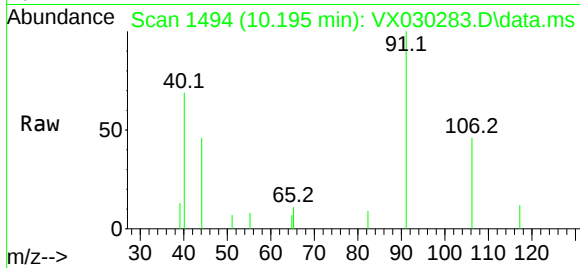
Instrument :

MSVOA_X

ClientSampleId :

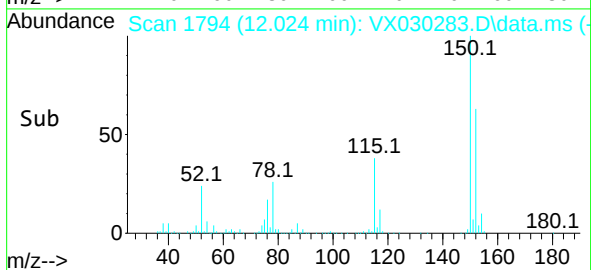
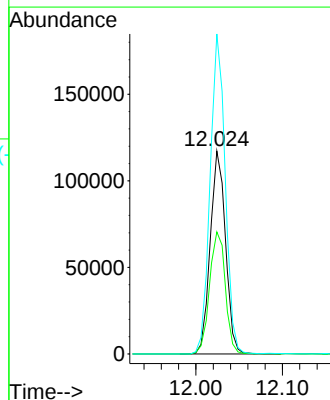
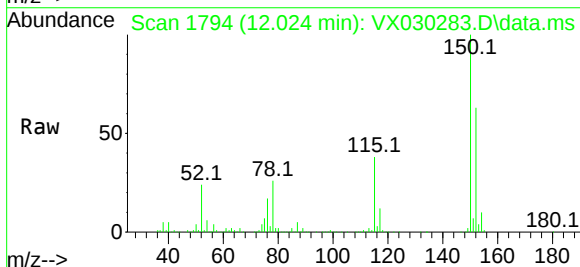
IBLK

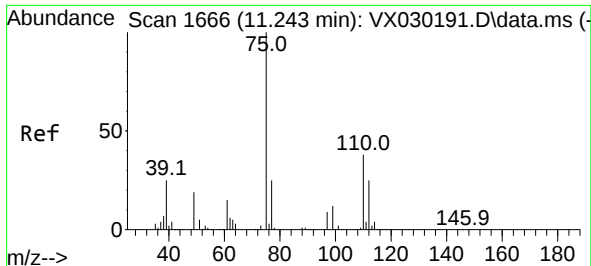
Tgt Ion: 91 Resp: 1051
Ion Ratio Lower Upper
91 100
106 46.3 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion:152 Resp: 143865
Ion Ratio Lower Upper
152 100
115 61.9 40.5 121.5
150 155.2 0.0 347.0

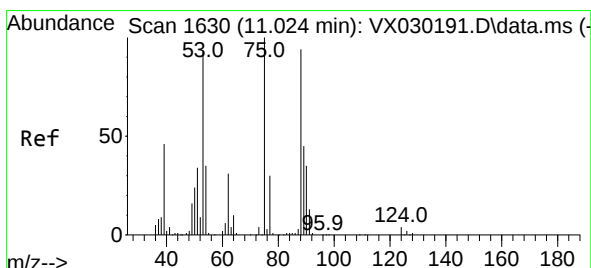
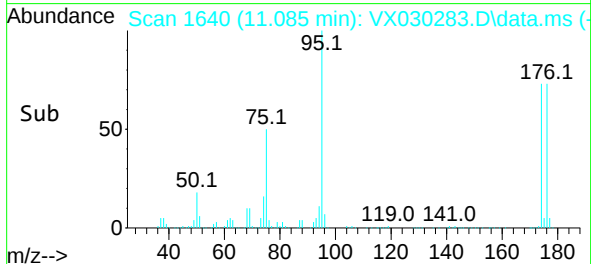
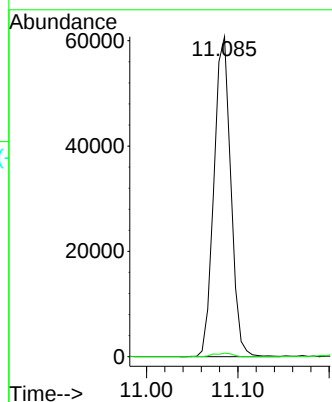
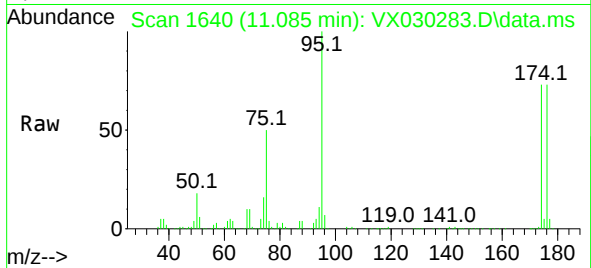




#76
1,2,3-Trichloropropane
Concen: 20.479 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

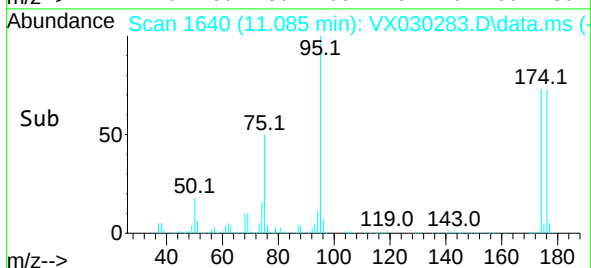
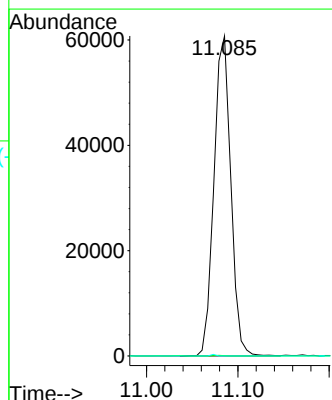
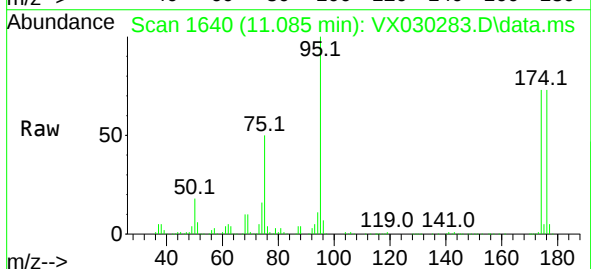
Instrument :
MSVOA_X
ClientSampleId :
IBLK

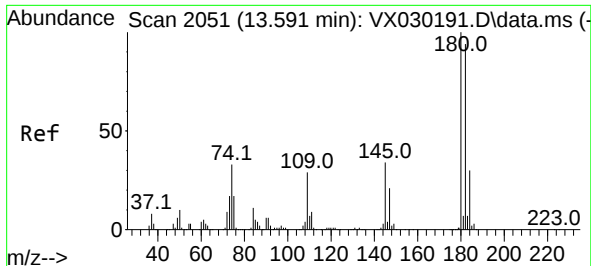
Tgt Ion: 75 Resp: 77660
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.435 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

Tgt Ion: 75 Resp: 77660
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#

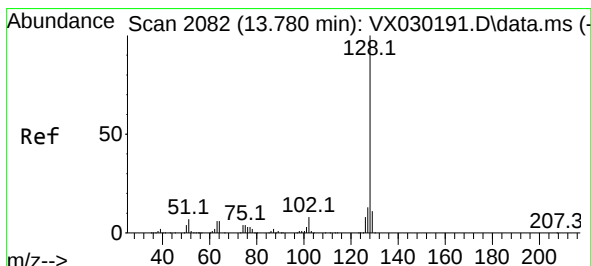
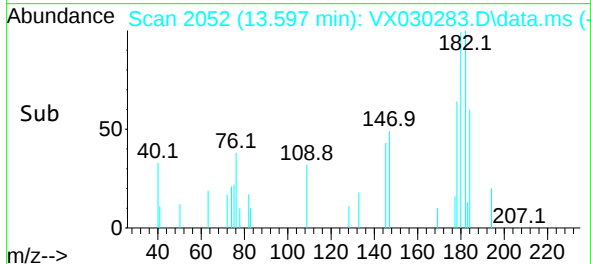
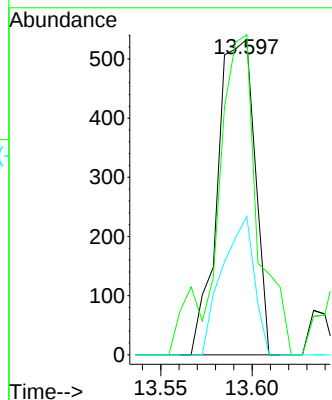
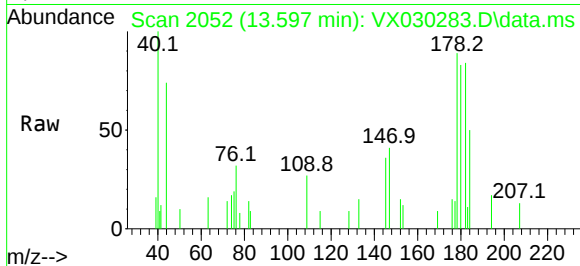




#93
1,2,4-Trichlorobenzene
Concen: 0.258 ug/l
RT: 13.597 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

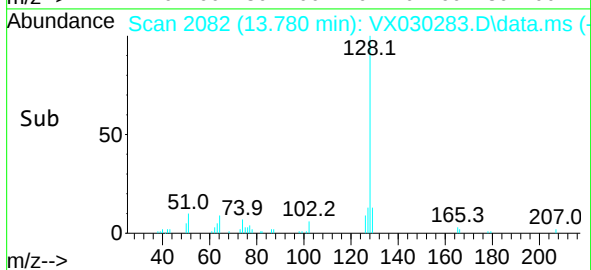
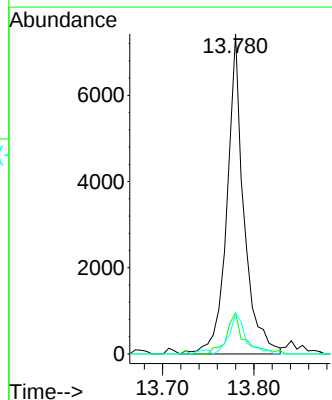
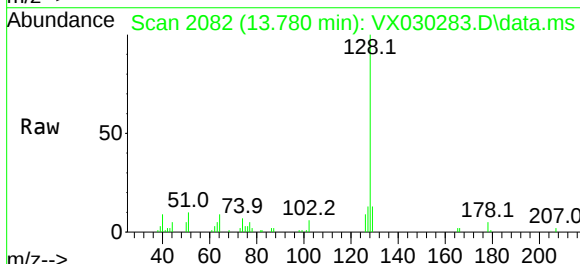
Instrument :
MSVOA_X
ClientSampleId :
IBLK

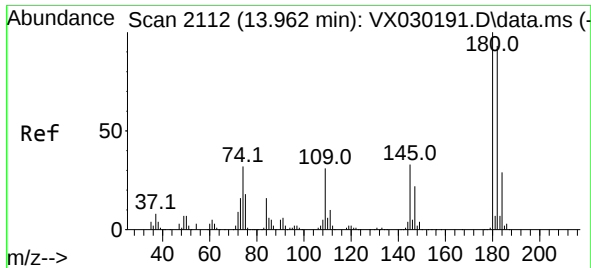
Tgt Ion:180 Resp: 753
Ion Ratio Lower Upper
180 100
182 110.2 48.2 144.6
145 37.8 15.9 47.6



#95
Naphthalene
Concen: 0.837 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030283.D
Acq: 28 Jul 2022 20:30

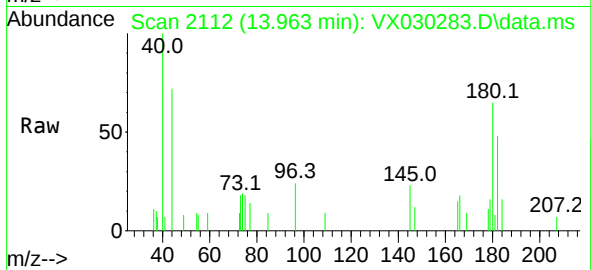
Tgt Ion:128 Resp: 9545
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 12.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VX030283.D
 Acq: 28 Jul 2022 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	706
Ion	Ratio	Lower	Upper
180	100		
182	75.5	47.0	141.0
145	38.7	17.0	50.9

