

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031830.D
 Acq On : 03 Oct 2022 12:09
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 04 06:38:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

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

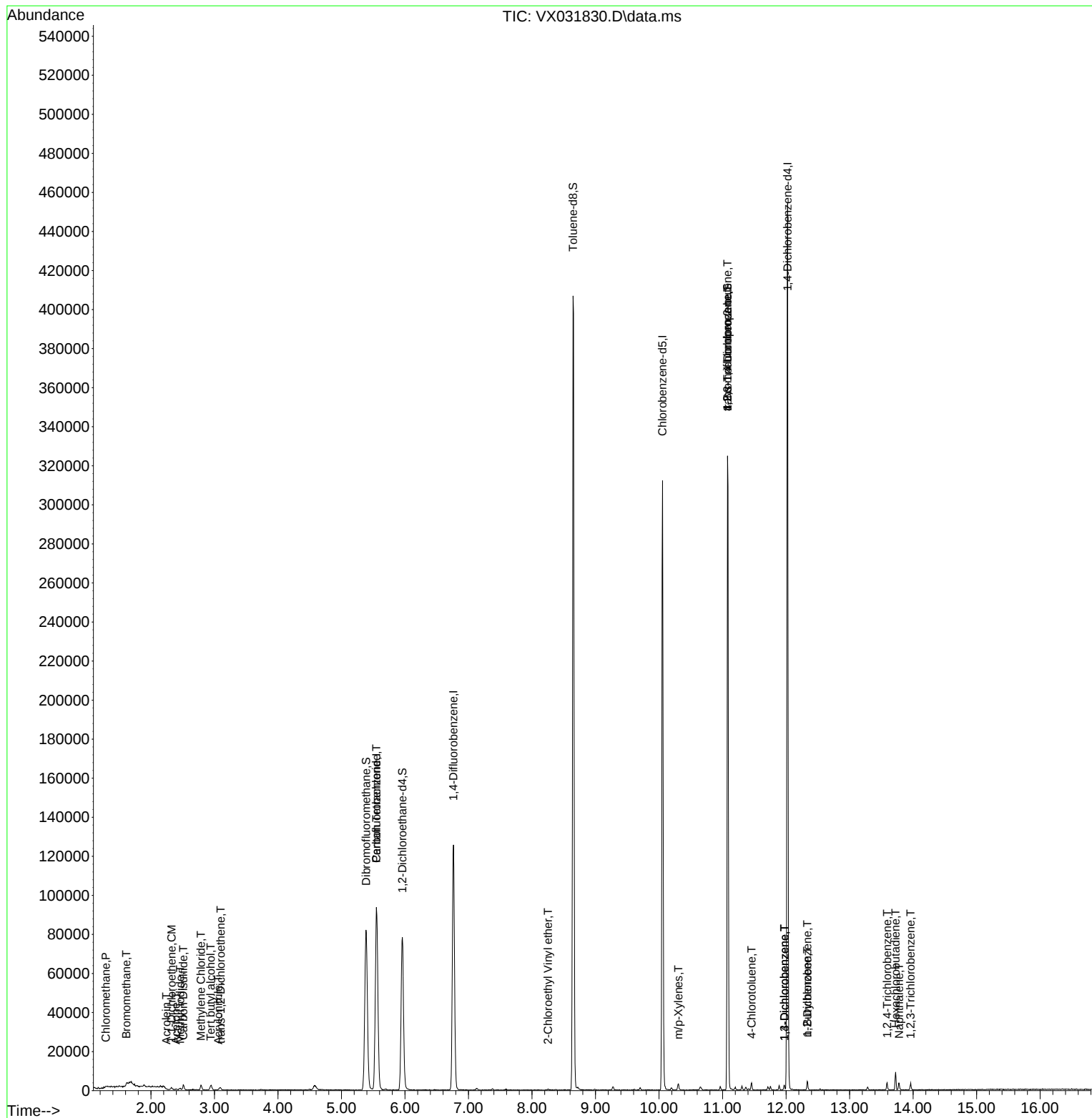
Internal Standards						
1) Pentafluorobenzene	5.550	168	94098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	139057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151139	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74506	37.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	74.820%
35) Dibromofluoromethane	5.385	113	71648	36.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	73.820%#
50) Toluene-d8	8.647	98	255198	37.341	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	74.680%#
62) 4-Bromofluorobenzene	11.079	95	85729	34.489	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	68.980%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	282	0.201	ug/l	89
5) Bromomethane	1.611	94	813	0.559	ug/l	# 78
10) Methyl Iodide	2.459	142	937	0.567	ug/l	# 86
11) Tert butyl alcohol	2.940	59	1301	4.886	ug/l	# 73
12) 1,1-Dichloroethene	2.325	96	357	0.245	ug/l	# 33
13) Acrolein	2.239	56	129	0.784	ug/l	# 79
15) Acrylonitrile	3.062	53	468	0.665	ug/l	# 80
16) Acetone	2.392	43	472	0.863	ug/l	# 81
17) Carbon Disulfide	2.508	76	3195	0.802	ug/l	99
20) Methylene Chloride	2.788	84	1222	0.728	ug/l	# 80
21) trans-1,2-Dichloroethene	3.099	96	529	0.305	ug/l	85
38) Carbon Tetrachloride	5.550	117	9178	3.325	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	8.250	63	288	0.256	ug/l	# 74
68) m/p-Xylenes	10.305	106	865	0.251	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	42266	22.619	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	42266	68.363	ug/l	# 11
82) 4-Chlorotoluene	11.457	91	1390	0.239	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	988	0.257	ug/l	92
88) 1,4-Dichlorobenzene	11.975	146	988	0.247	ug/l	92
89) n-Butylbenzene	12.335	91	1233	0.238	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	852	0.222	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1085	0.465	ug/l	98
94) Hexachlorobutadiene	13.725	225	1288	1.396	ug/l	96
95) Naphthalene	13.780	128	2876	0.389	ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.963	180	1039	0.457	ug/l	96

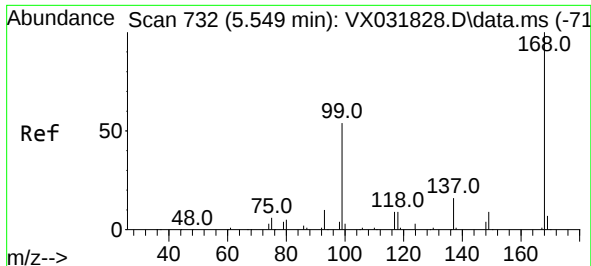
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
Data File : VX031830.D
Acq On : 03 Oct 2022 12:09
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Oct 04 06:38:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:27:45 2022
Response via : Initial Calibration

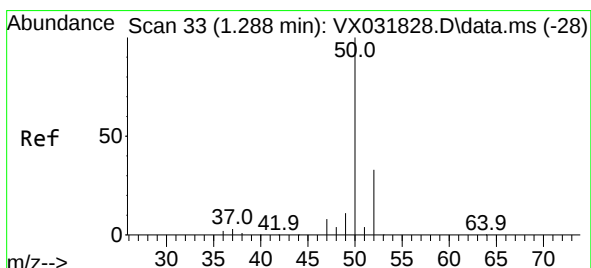
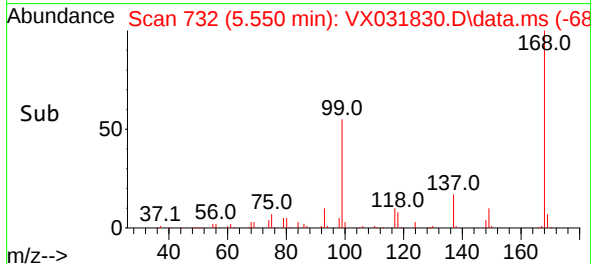
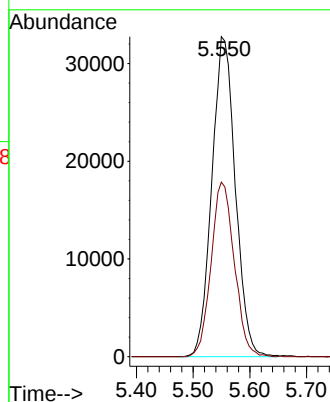
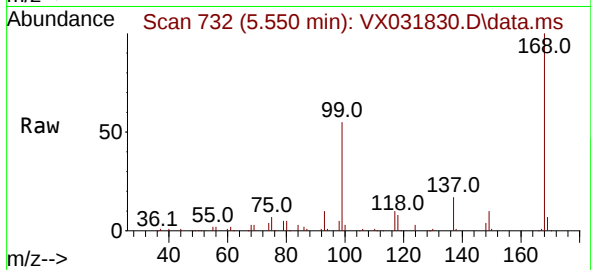




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

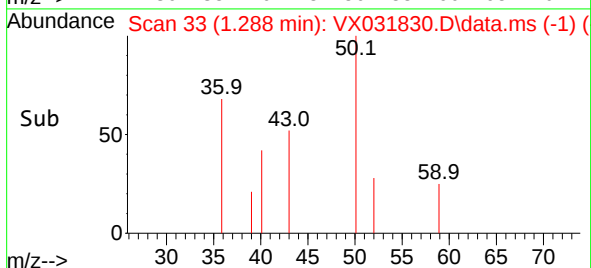
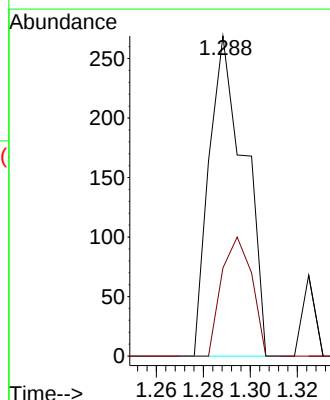
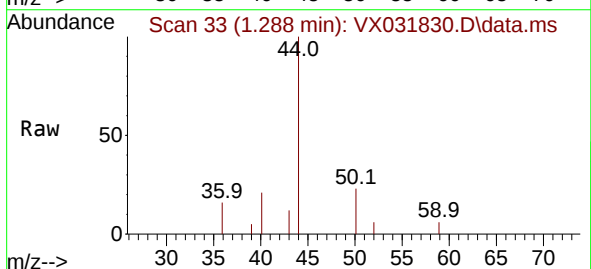
Instrument :
MSVOA_X
ClientSampleId :
IBLK

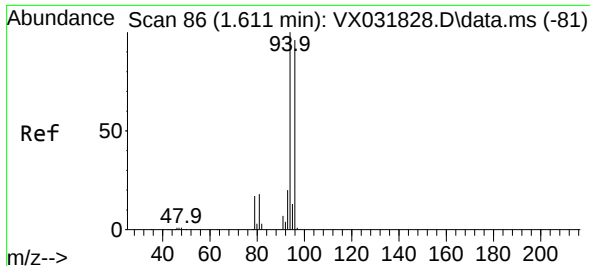
Tgt Ion:168 Resp: 94098
Ion Ratio Lower Upper
168 100
99 54.5 48.8 73.2



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 27.5 26.9 40.3

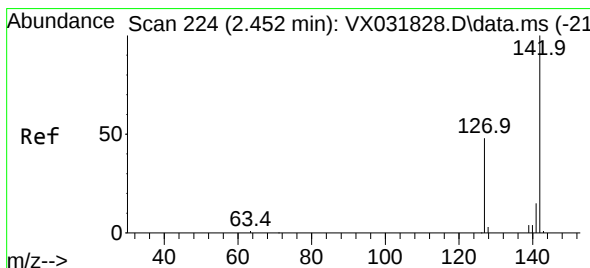
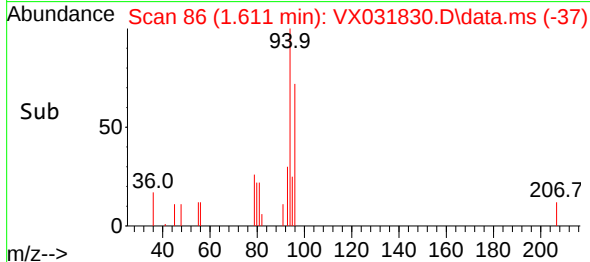
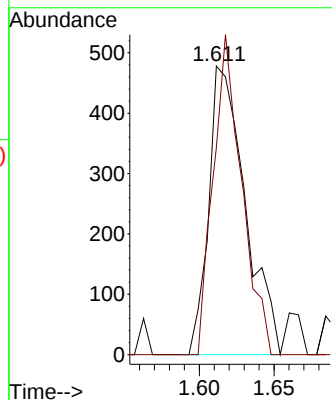
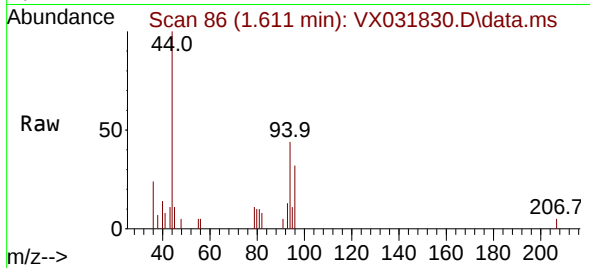




#5
Bromomethane
Concen: 0.559 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

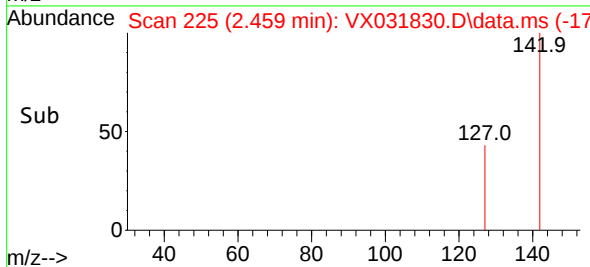
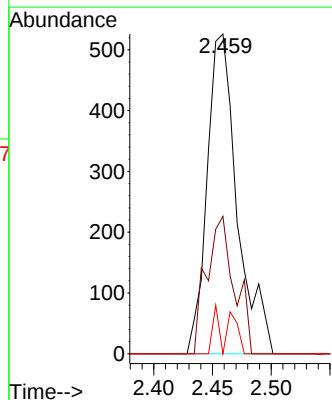
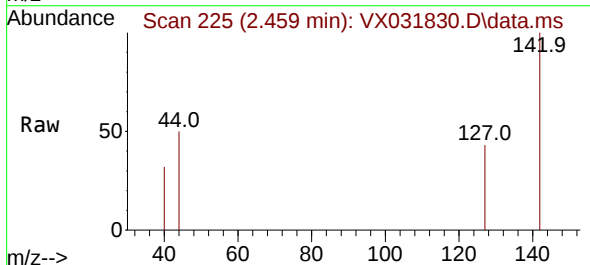
Instrument :
MSVOA_X
ClientSampleId :
IBLK

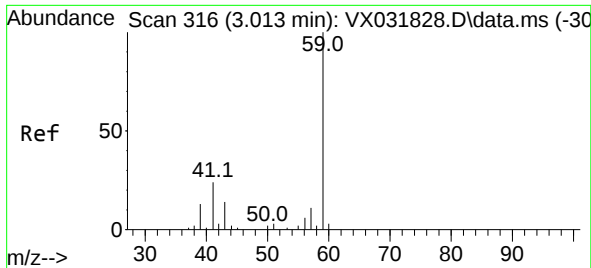
Tgt Ion: 94 Resp: 813
Ion Ratio Lower Upper
94 100
96 71.8 74.4 111.6#



#10
Methyl Iodide
Concen: 0.567 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 142 Resp: 937
Ion Ratio Lower Upper
142 100
127 39.8 37.4 56.0
141 3.1 11.6 17.4#





#11

Tert butyl alcohol

Concen: 4.886 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.140 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

Instrument :

MSVOA_X

ClientSampleId :

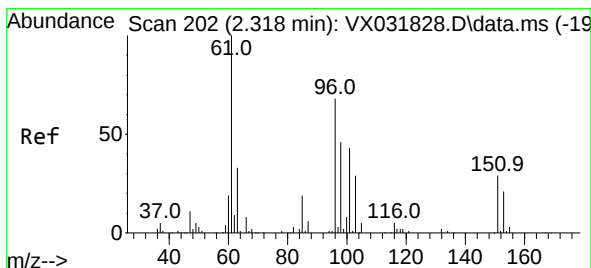
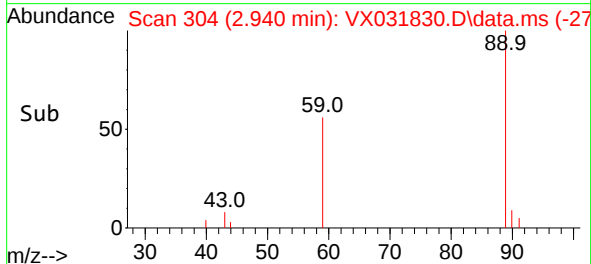
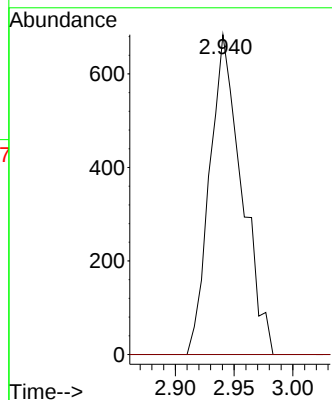
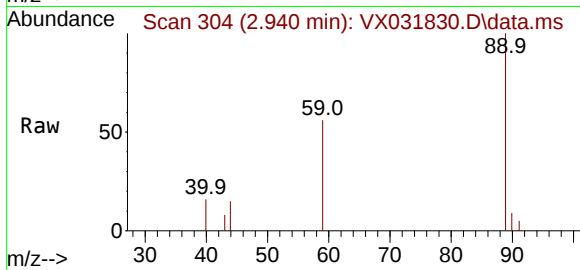
IBLK

Tgt Ion: 59 Resp: 1301

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 0.245 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

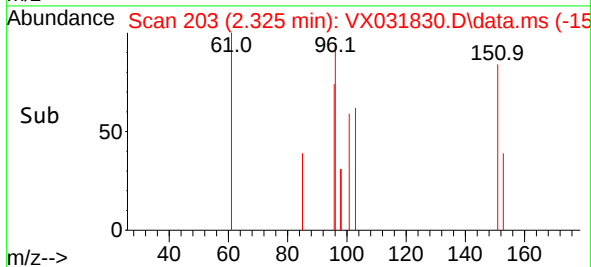
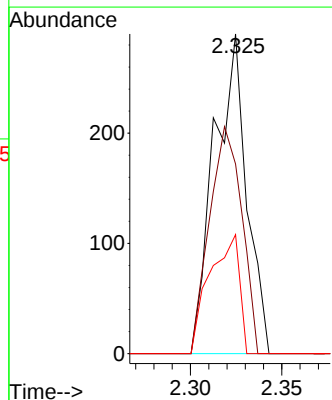
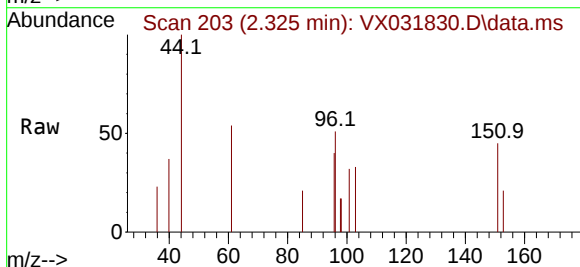
Tgt Ion: 96 Resp: 357

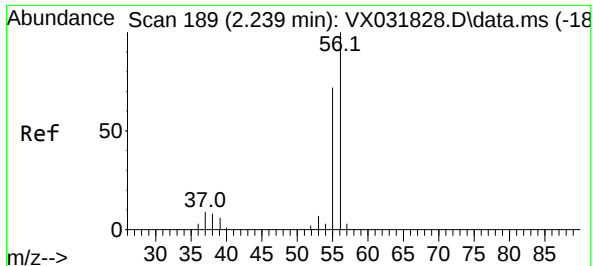
Ion Ratio Lower Upper

96 100

61 59.3 135.3 202.9#

98 37.2 49.4 74.2#





#13

Acrolein

Concen: 0.784 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

Instrument :

MSVOA_X

ClientSampleId :

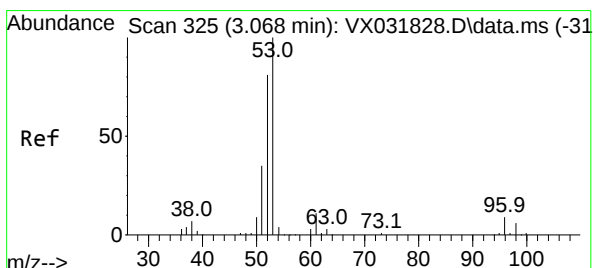
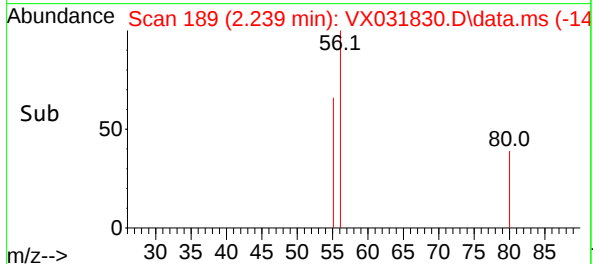
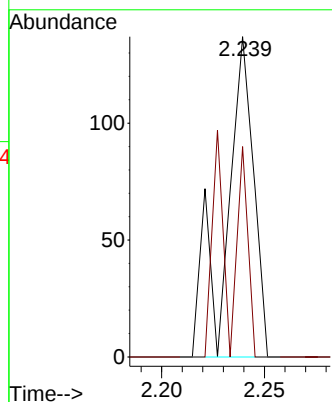
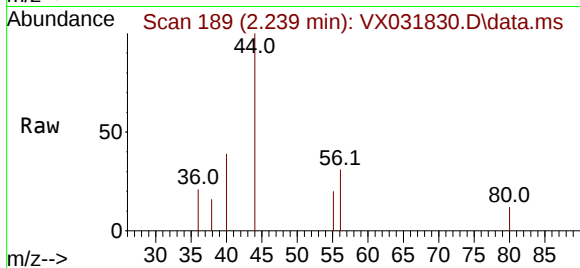
IBLK

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 52.7 56.0 84.0#



#15

Acrylonitrile

Concen: 0.665 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.006 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

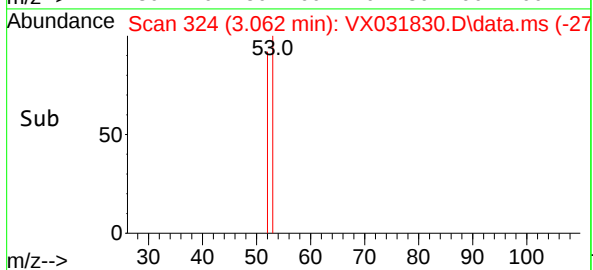
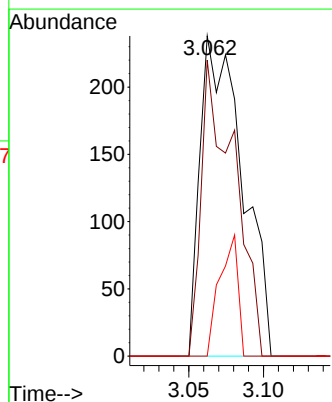
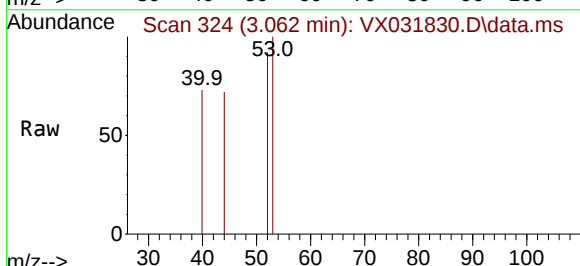
Tgt Ion: 53 Resp: 468

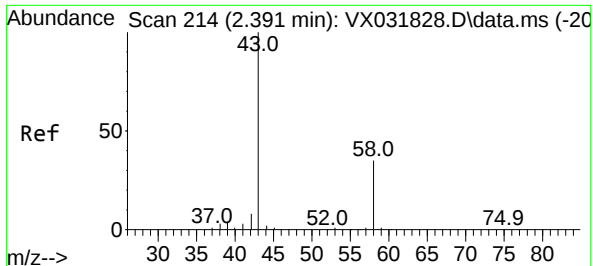
Ion Ratio Lower Upper

53 100

52 72.0 66.9 100.3

51 16.5 30.0 45.0#

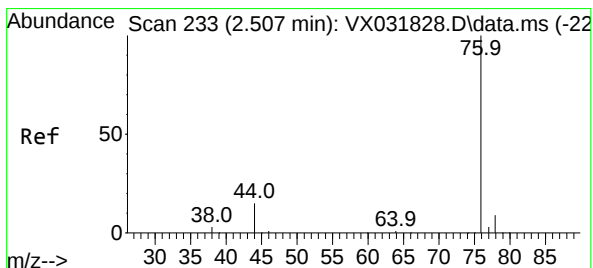
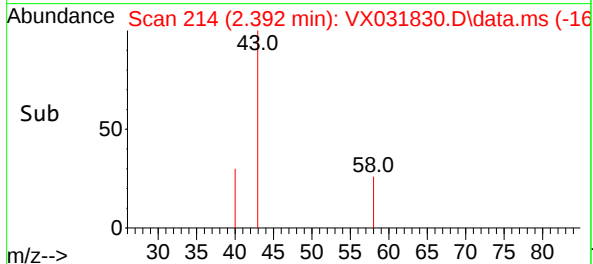
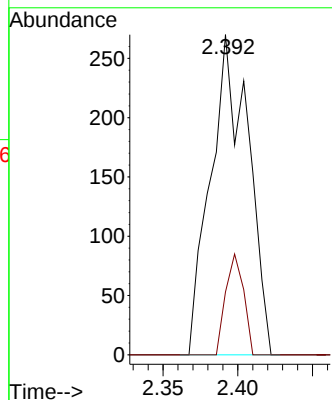
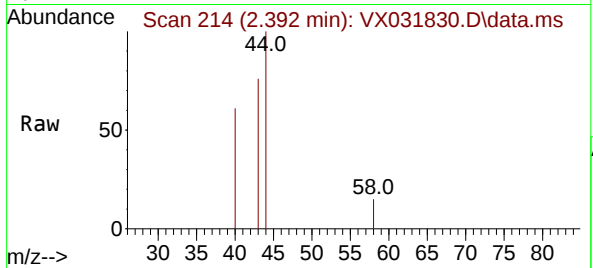




#16
Acetone
Concen: 0.863 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

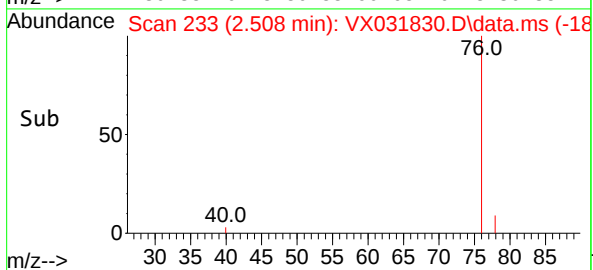
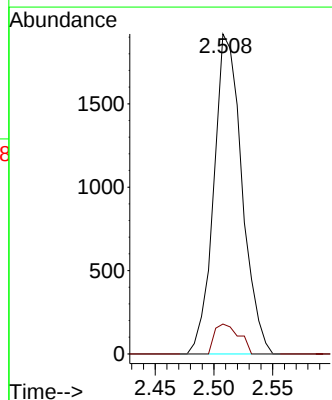
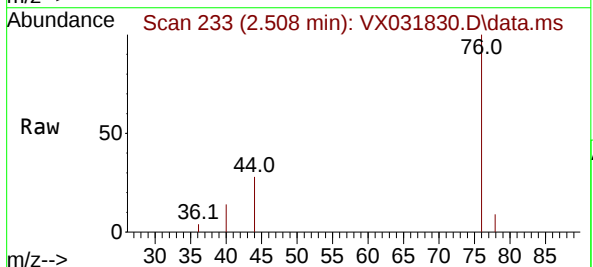
Instrument :
MSVOA_X
ClientSampleId :
IBLK

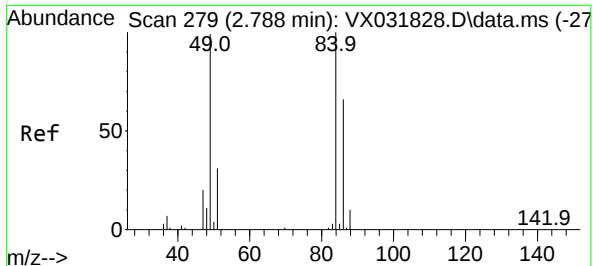
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
58 19.6 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.802 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 76 Resp: 3195
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

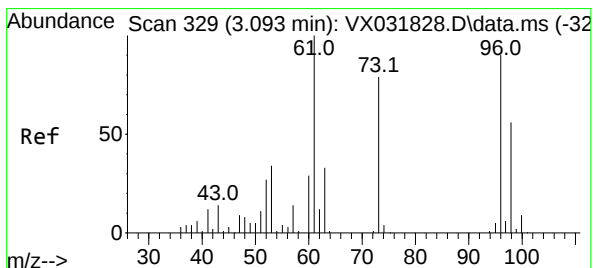
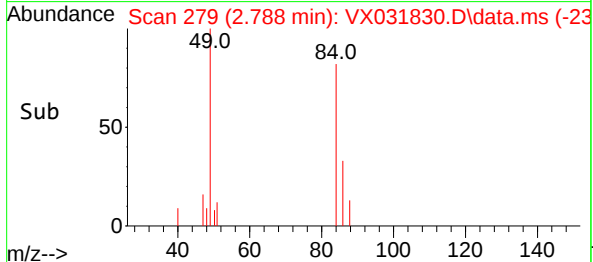
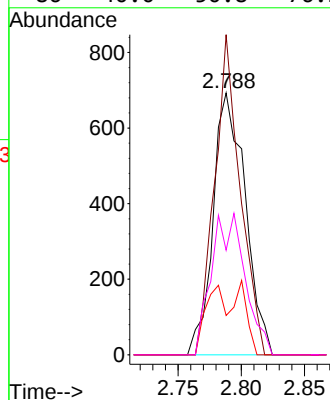
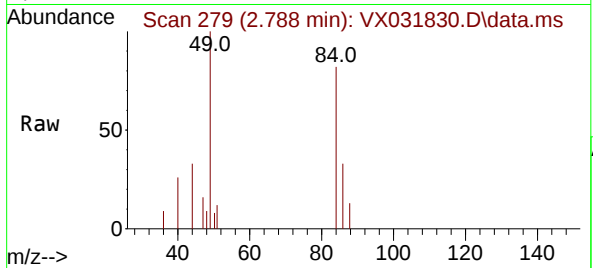




#20
Methylene Chloride
Concen: 0.728 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

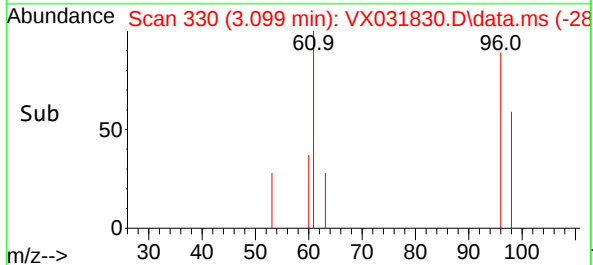
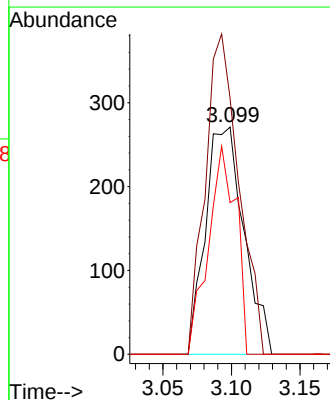
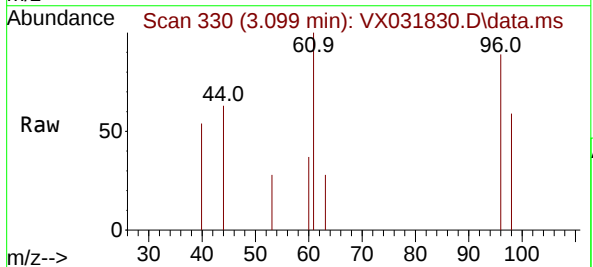
Instrument :
MSVOA_X
ClientSampleId :
IBLK

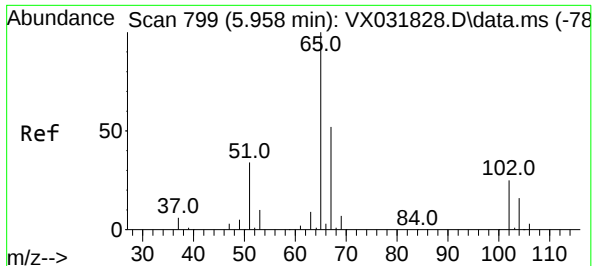
Tgt Ion: 84	Resp: 1222
Ion Ratio	Lower Upper
84 100	
49 122.2	105.9 158.9
51 15.0	32.2 48.2#
86 40.0	50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: 0.305 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 96	Resp: 529
Ion Ratio	Lower Upper
96 100	
61 112.5	106.7 160.1
98 66.8	48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 37.413 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

Instrument :

MSVOA_X

ClientSampleId :

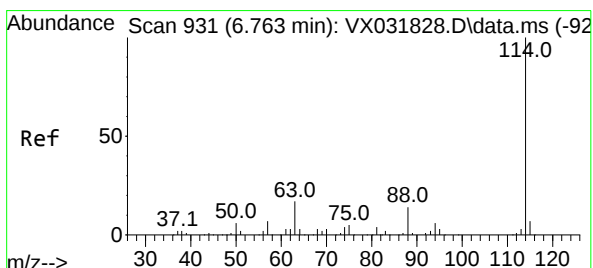
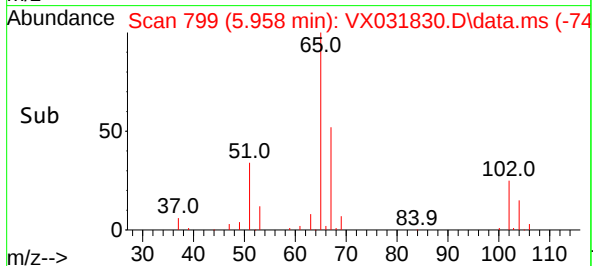
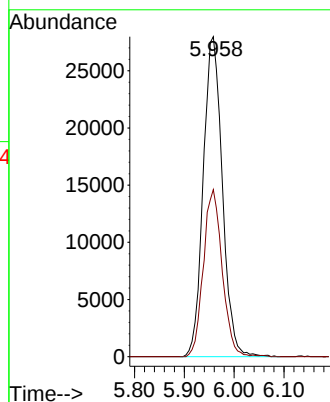
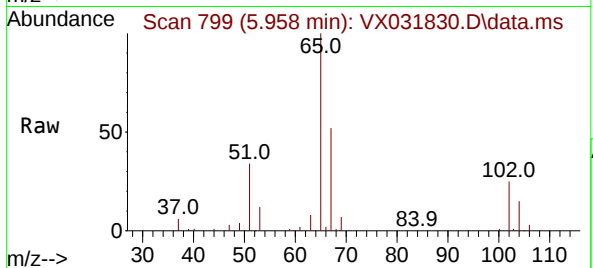
IBLK

Tgt Ion: 65 Resp: 74506

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

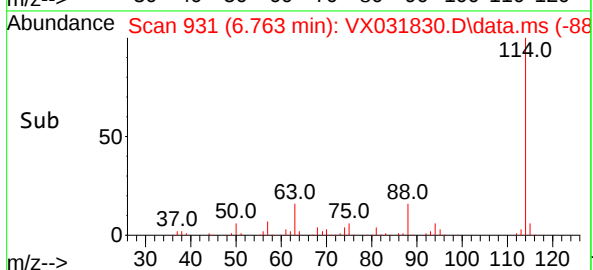
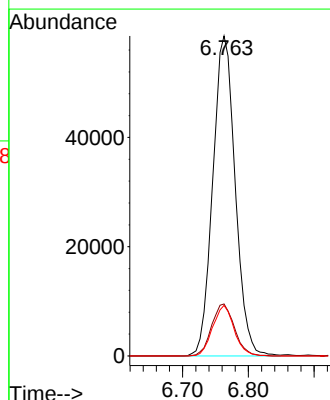
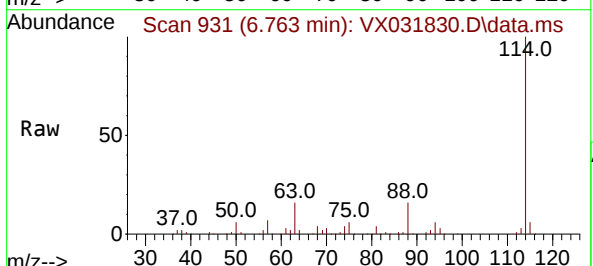
Tgt Ion: 114 Resp: 139057

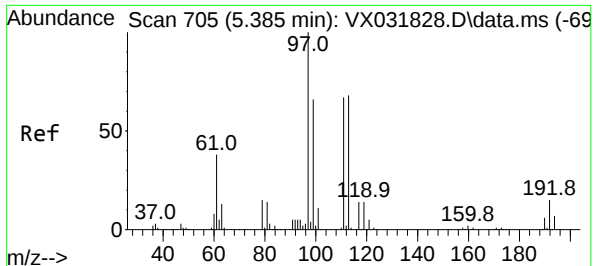
Ion Ratio Lower Upper

114 100

63 16.2 0.0 42.6

88 15.8 0.0 33.0

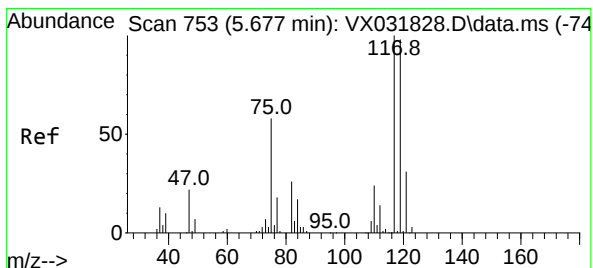
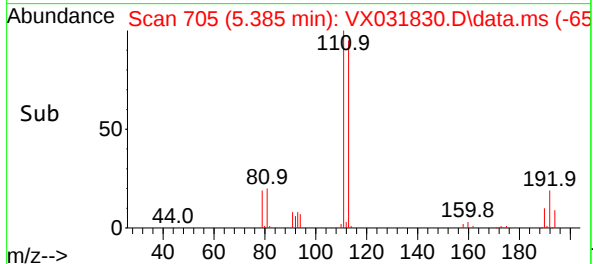
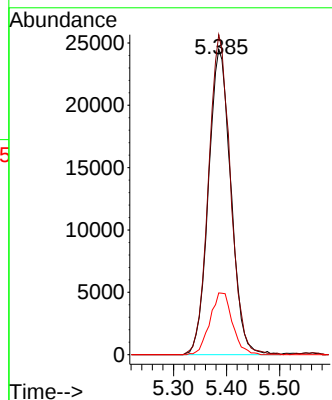
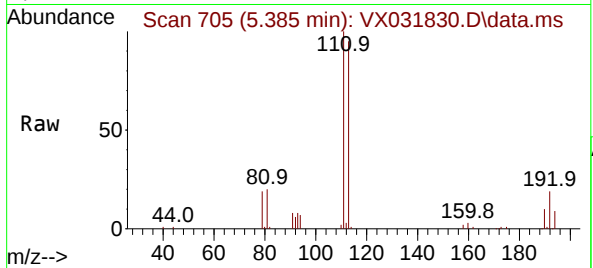




#35
Dibromofluoromethane
Concen: 36.911 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

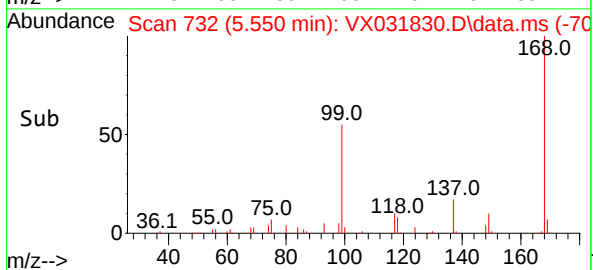
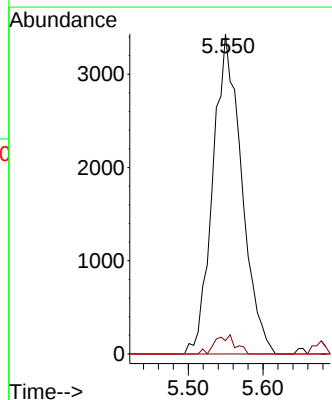
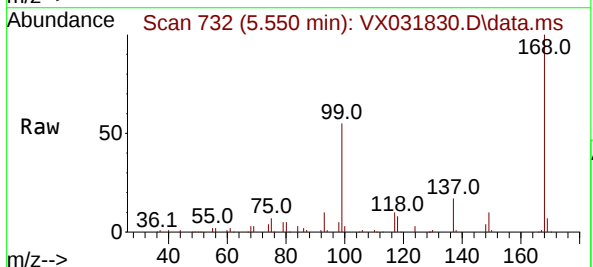
Instrument :
MSVOA_X
ClientSampleId :
IBLK

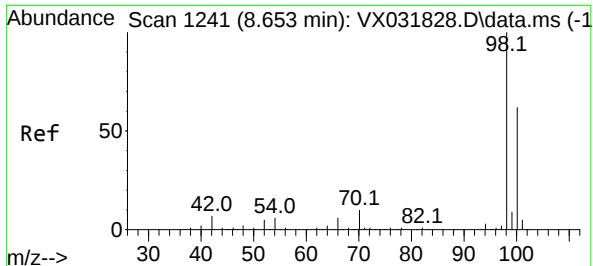
Tgt Ion:113 Resp: 71648
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 20.3 14.1 21.1



#38
Carbon Tetrachloride
Concen: 3.325 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion:117 Resp: 9178
Ion Ratio Lower Upper
117 100
119 4.1 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 37.341 ug/l

RT: 8.647 min Scan# 1175

Delta R.T. -0.006 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

Instrument :

MSVOA_X

ClientSampleId :

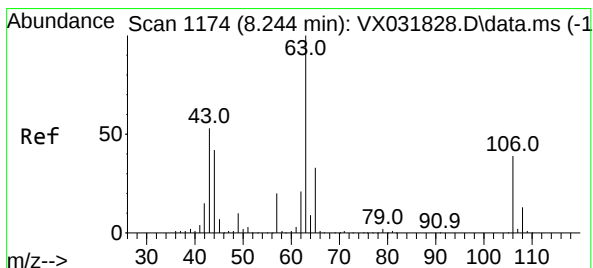
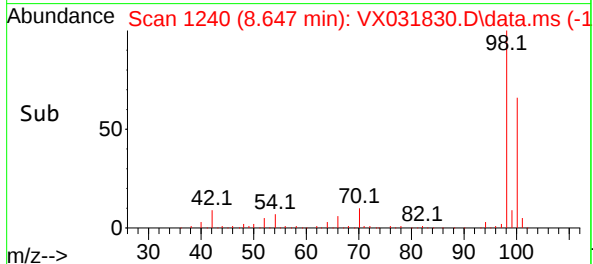
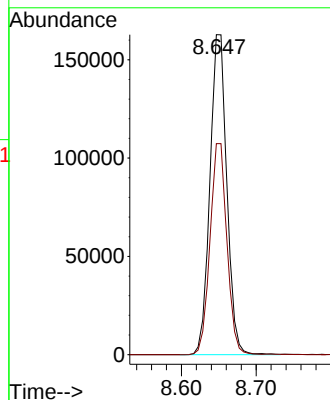
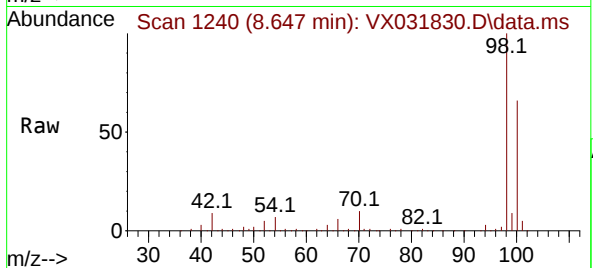
IBLK

Tgt Ion: 98 Resp: 255198

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7



#58

2-Chloroethyl Vinyl ether

Concen: 0.256 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX031830.D

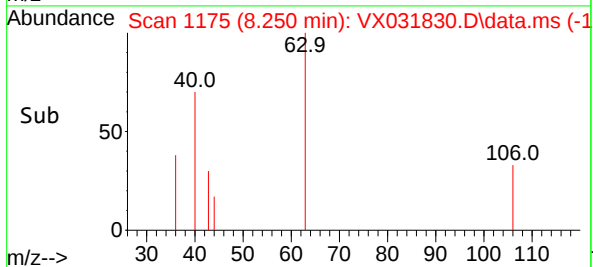
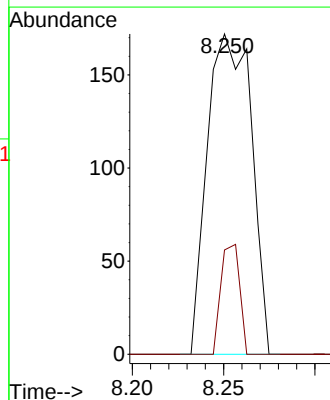
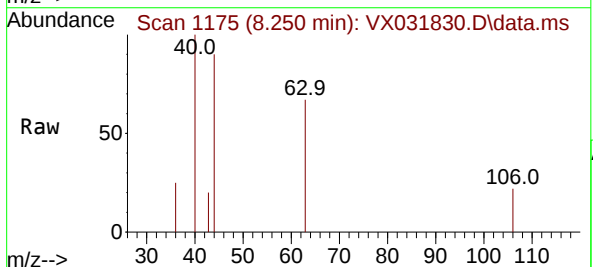
Acq: 03 Oct 2022 12:09

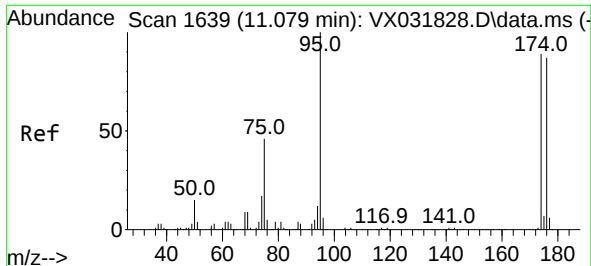
Tgt Ion: 63 Resp: 288

Ion Ratio Lower Upper

63 100

106 14.6 22.6 34.0#

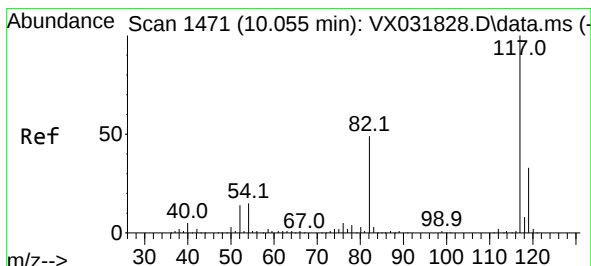
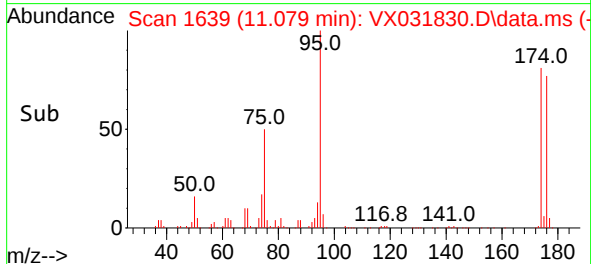
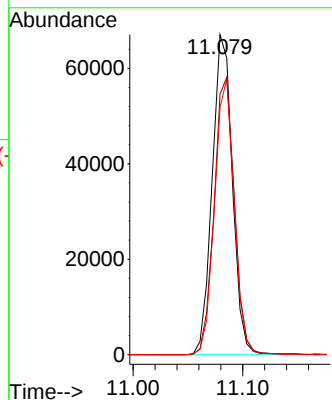
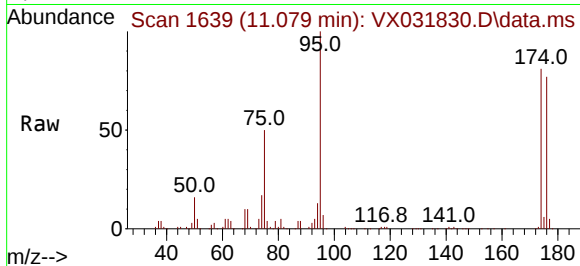




#62
4-Bromofluorobenzene
Concen: 34.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

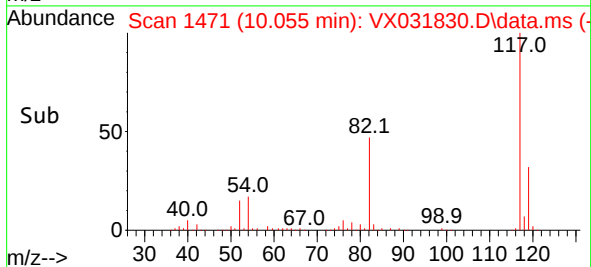
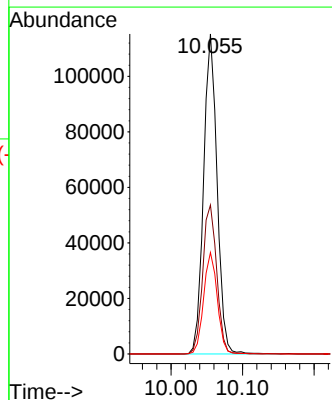
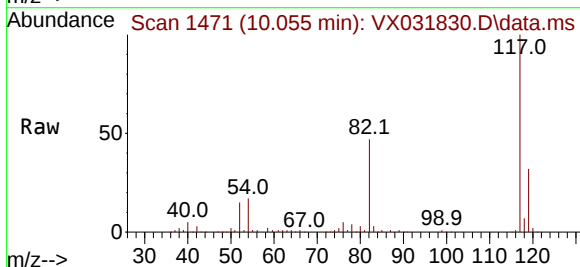
Instrument :
MSVOA_X
ClientSampleId :
IBLK

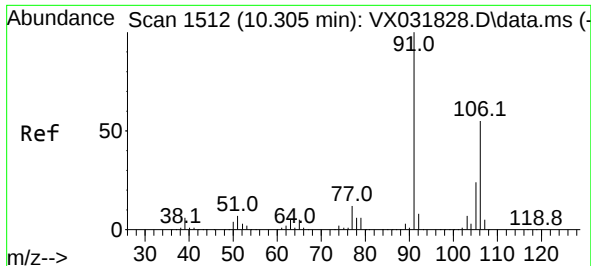
Tgt Ion: 95 Resp: 85729
Ion Ratio Lower Upper
95 100
174 87.7 0.0 153.2
176 84.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 117 Resp: 151139
Ion Ratio Lower Upper
117 100
82 46.5 46.8 70.2#
119 31.7 26.4 39.6

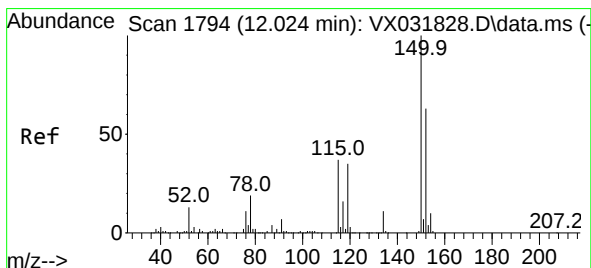
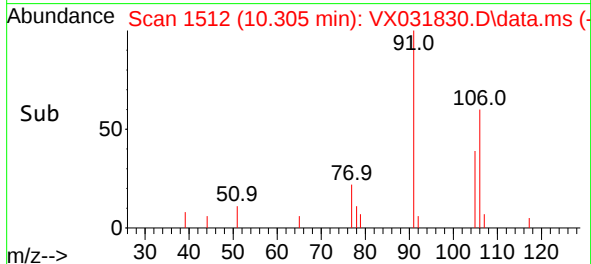
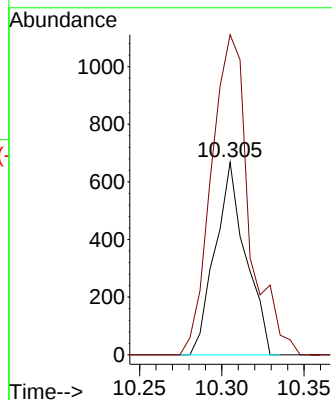
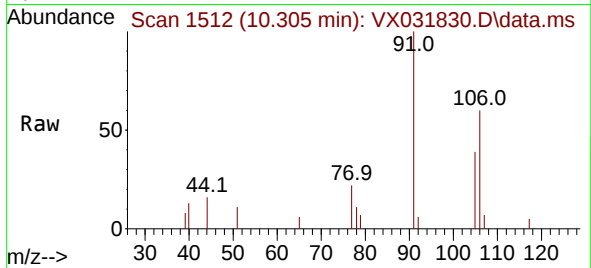




#68
m/p-Xylenes
Concen: 0.251 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

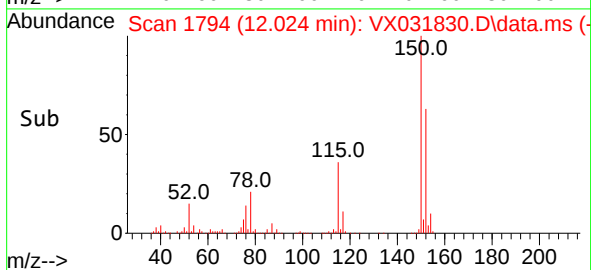
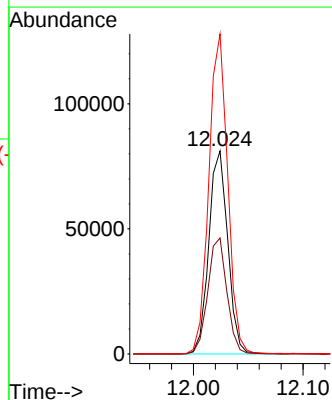
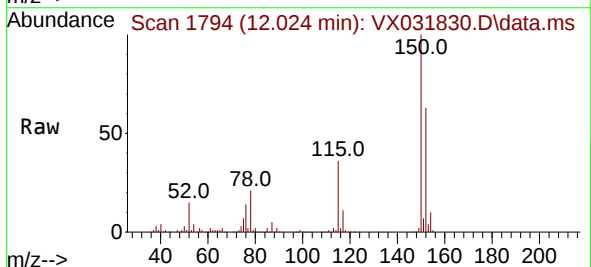
Instrument :
MSVOA_X
ClientSampleId :
IBLK

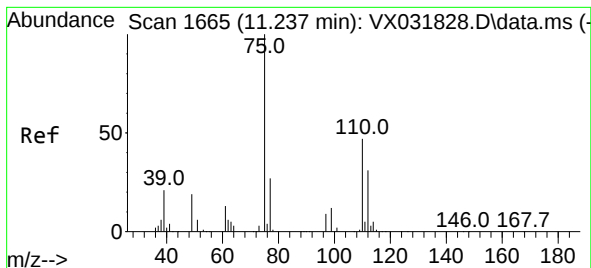
Tgt Ion:106 Resp: 865
Ion Ratio Lower Upper
106 100
91 205.3 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion:152 Resp: 97552
Ion Ratio Lower Upper
152 100
115 57.7 43.4 130.1
150 157.3 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 22.619 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

Instrument :

MSVOA_X

ClientSampleId :

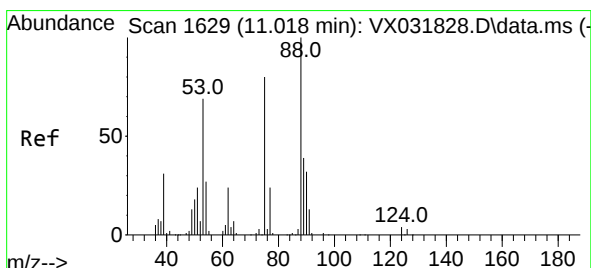
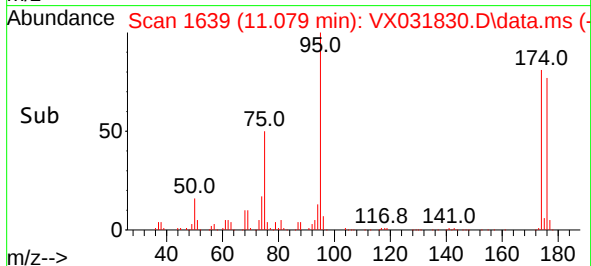
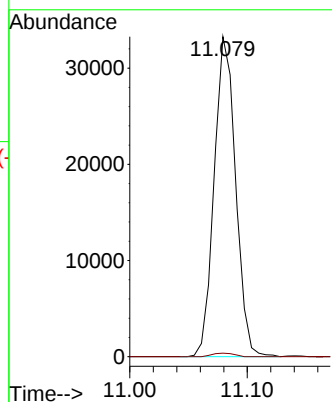
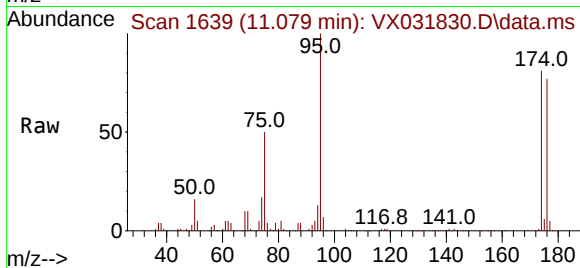
IBLK

Tgt Ion: 75 Resp: 42266

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.363 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031830.D

Acq: 03 Oct 2022 12:09

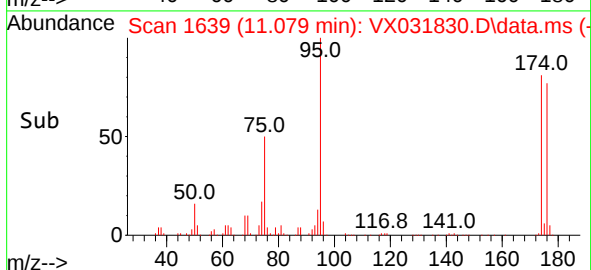
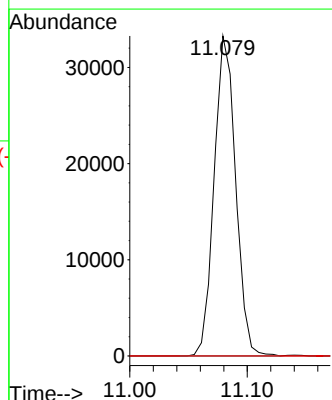
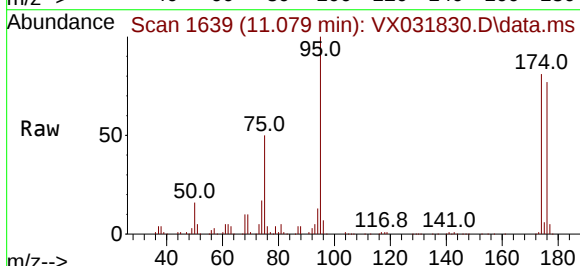
Tgt Ion: 75 Resp: 42266

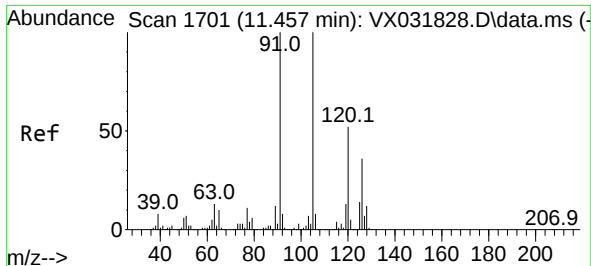
Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.4 56.0#

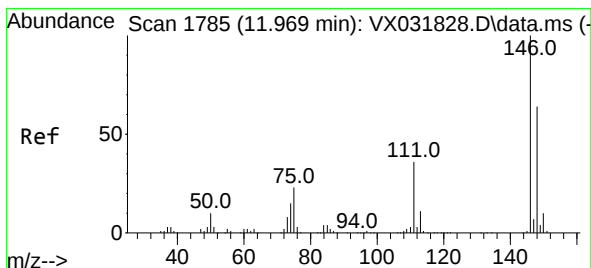
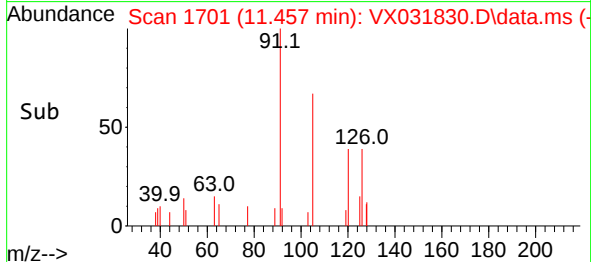
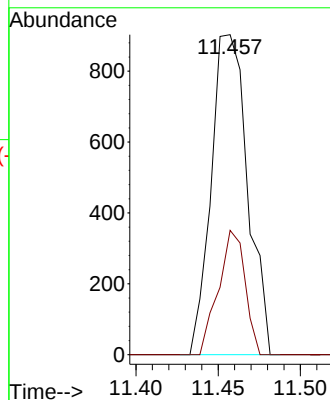
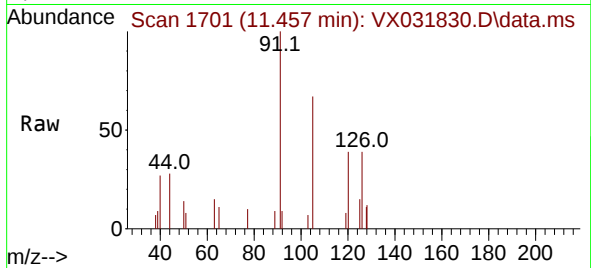




#82
4-Chlorotoluene
Concen: 0.239 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

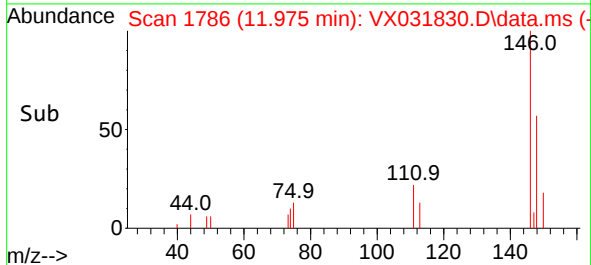
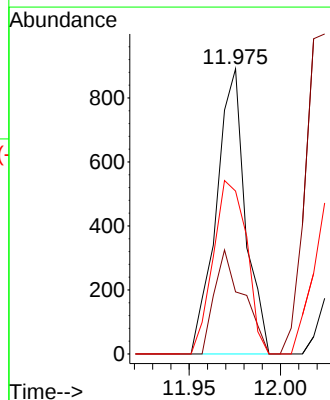
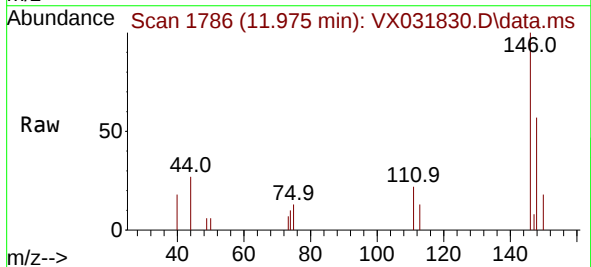
Instrument :
MSVOA_X
ClientSampleId :
IBLK

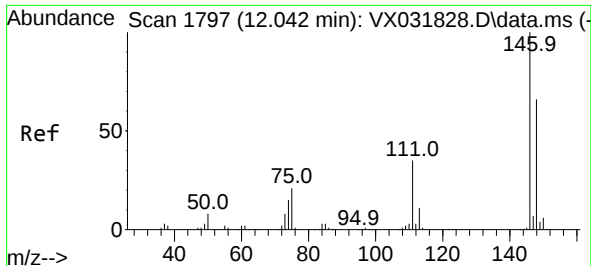
Tgt Ion: 91 Resp: 1390
Ion Ratio Lower Upper
91 100
126 28.3 15.1 45.3



#87
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 146 Resp: 988
Ion Ratio Lower Upper
146 100
111 36.0 19.8 59.4
148 70.0 31.5 94.5

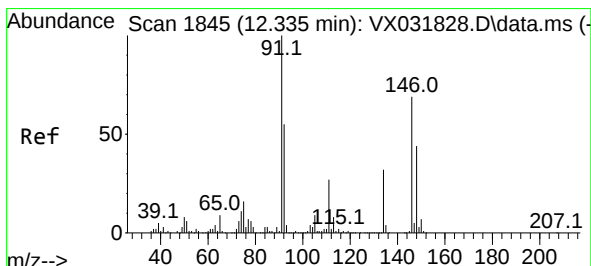
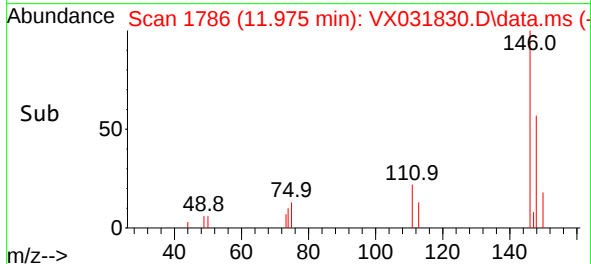
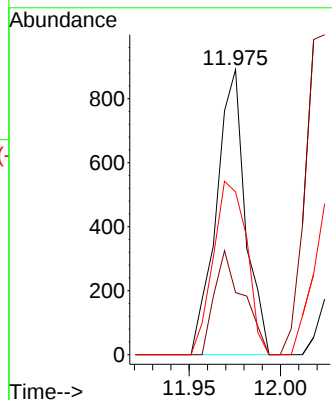
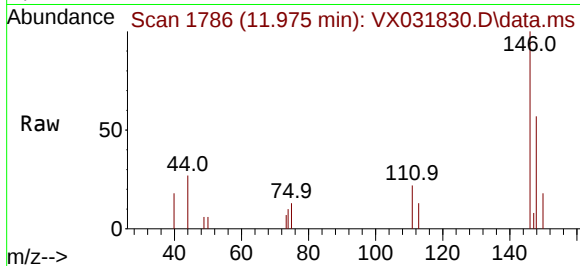




#88
1,4-Dichlorobenzene
Concen: 0.247 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

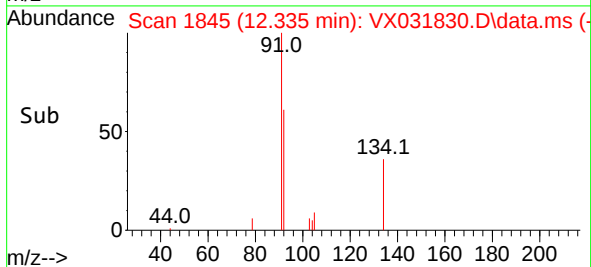
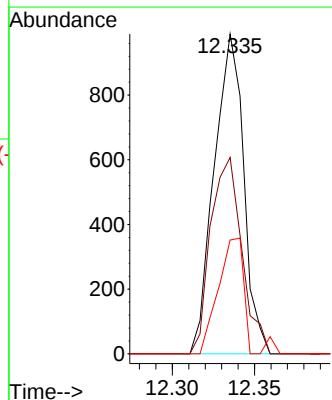
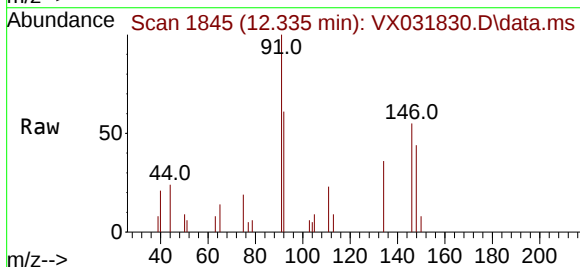
Instrument :
MSVOA_X
ClientSampleId :
IBLK

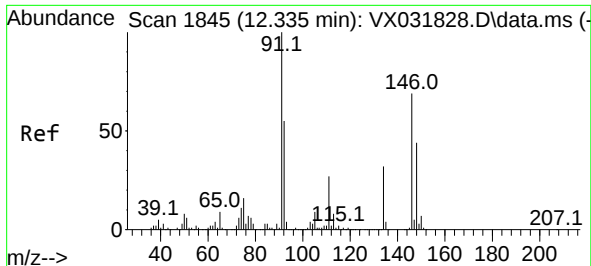
Tgt Ion:146 Resp: 988
Ion Ratio Lower Upper
146 100
111 36.0 20.5 61.5
148 70.0 32.0 96.2



#89
n-Butylbenzene
Concen: 0.238 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion: 91 Resp: 1233
Ion Ratio Lower Upper
91 100
92 64.9 27.0 81.0
134 30.8 13.3 39.9

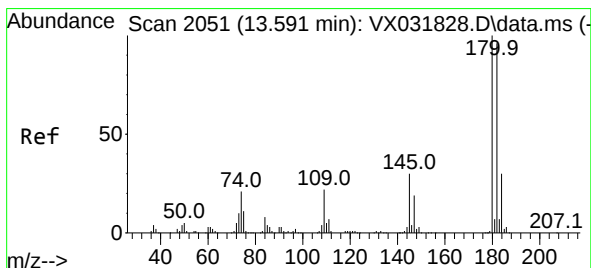
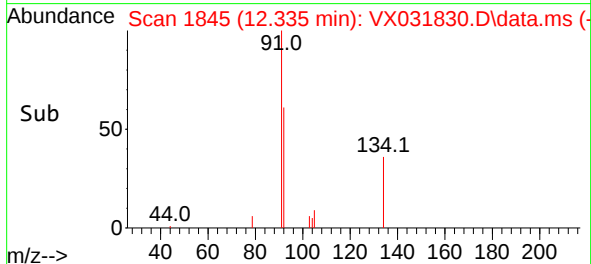
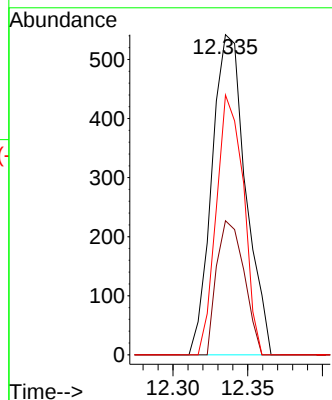
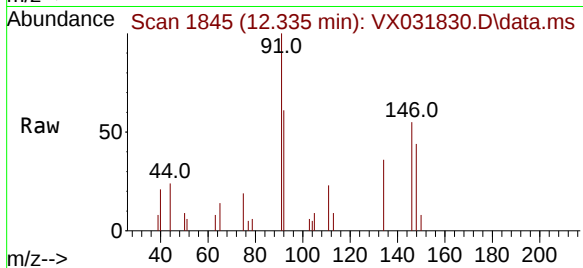




#91
1,2-Dichlorobenzene
Concen: 0.222 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

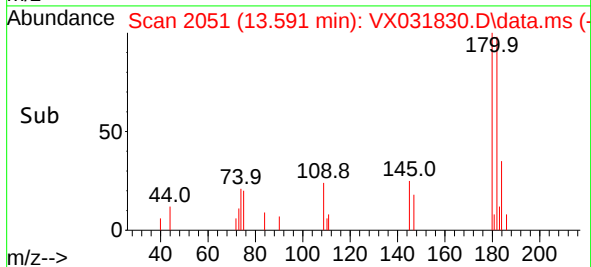
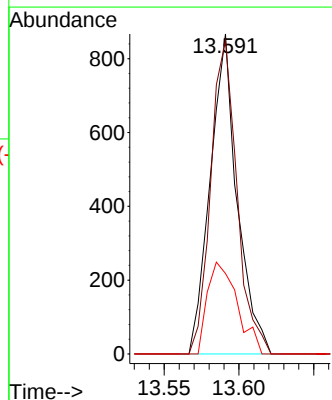
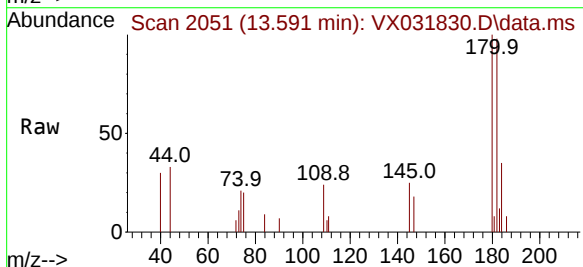
Instrument :
MSVOA_X
ClientSampleId :
IBLK

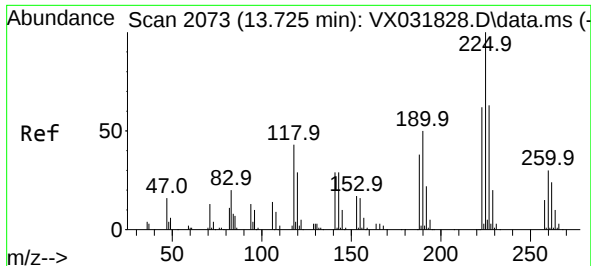
Tgt Ion:146 Resp: 852
Ion Ratio Lower Upper
146 100
111 33.9 20.6 61.8
148 65.1 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.465 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

Tgt Ion:180 Resp: 1085
Ion Ratio Lower Upper
180 100
182 95.7 46.9 140.6
145 31.7 16.7 50.1

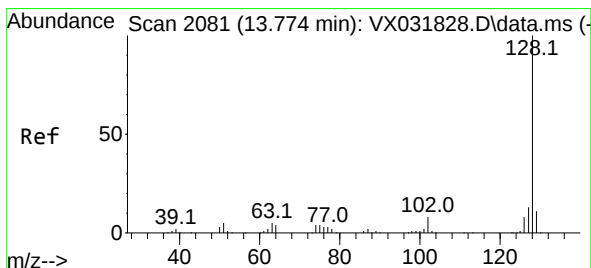
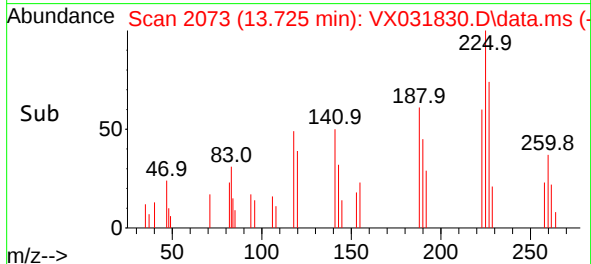
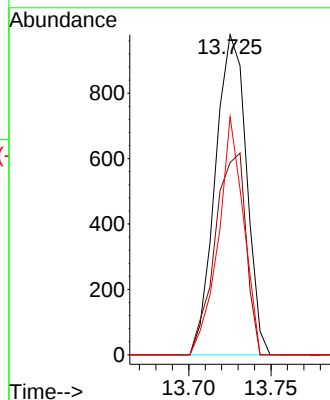
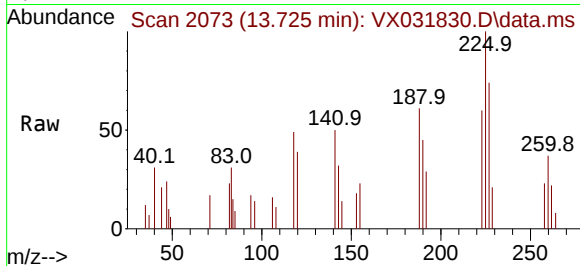




#94
Hexachlorobutadiene
Concen: 1.396 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

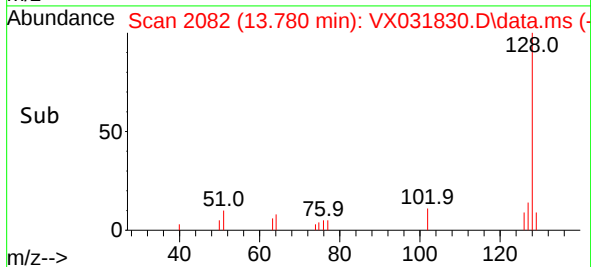
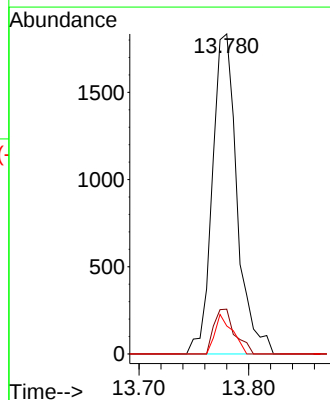
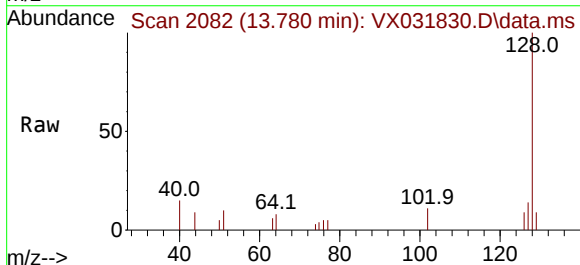
Instrument :
MSVOA_X
ClientSampleId :
IBLK

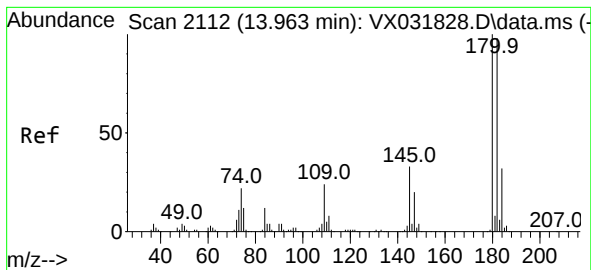
Tgt Ion:225 Resp: 1288
Ion Ratio Lower Upper
225 100
223 63.0 30.8 92.4
227 60.2 32.3 96.9



#95
Naphthalene
Concen: 0.389 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031830.D
Acq: 03 Oct 2022 12:09

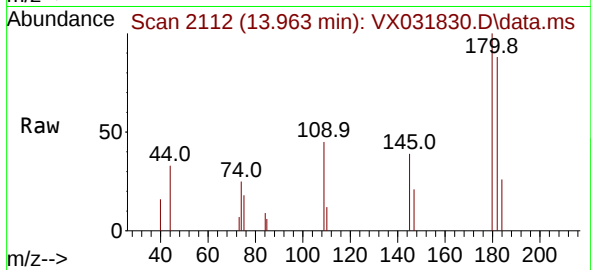
Tgt Ion:128 Resp: 2876
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 8.7 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.457 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX031830.D
 Acq: 03 Oct 2022 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1039
Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.8
145	33.5	17.6	52.8

