

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073291.D
 Acq On : 01 Jul 2022 12:44
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

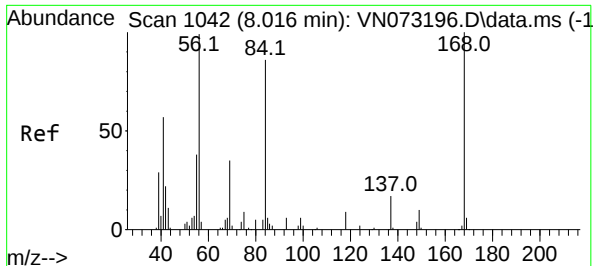
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Jul 04 05:03:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	297001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	496503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	447231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	205265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186416	43.479	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.960%		
35) Dibromofluoromethane	7.951	113	152907	46.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	10.381	98	521471	44.448	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.900%		
62) 4-Bromofluorobenzene	12.669	95	220808	48.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds					Qvalue	
16) Acetone	4.240	43	530	0.220	ug/l #	42
20) Methylene Chloride	5.010	84	1632	0.386	ug/l #	66
29) Tetrahydrofuran	7.634	42	749	0.285	ug/l #	56
31) Cyclohexane	8.022	56	7237	1.031	ug/l #	37
36) 1,1-Dichloropropene	8.016	75	25002	4.919	ug/l #	53
38) Carbon Tetrachloride	8.016	117	31338	5.962	ug/l #	16
55) 1,1,2-Trichloroethane	10.875	97	1896	0.475	ug/l #	33
58) 2-Chloroethyl Vinyl ether	10.145	63	1076	0.374	ug/l	92
59) 2-Hexanone	11.028	43	2365	0.443	ug/l	97
64) Tetrachloroethene	10.928	164	746	0.204	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.786	131	1174	0.316	ug/l #	53
68) m/p-Xylenes	11.892	106	2901	0.419	ug/l #	20
70) Styrene	12.233	104	3519	0.322	ug/l #	47
71) Bromoform	12.339	173	31929	11.729	ug/l #	28
74) N-amyl acetate	12.304	43	3082	0.347	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.722	83	1828	0.311	ug/l #	25
76) 1,2,3-Trichloropropane	12.669	75	118234	22.029	ug/l #	1
77) Bromobenzene	12.657	156	13571	3.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	118234	60.413	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.369	105	5363	0.372	ug/l	81
88) 1,4-Dichlorobenzene	13.633	146	3671	0.496	ug/l #	48
89) n-Butylbenzene	13.810	91	3450	0.295	ug/l	74
90) Hexachloroethane	14.139	117	1608	0.614	ug/l	77
92) 1,2-Dibromo-3-Chloropr...	14.504	75	572	0.400	ug/l #	1
95) Naphthalene	15.427	128	107035	6.766	ug/l #	68

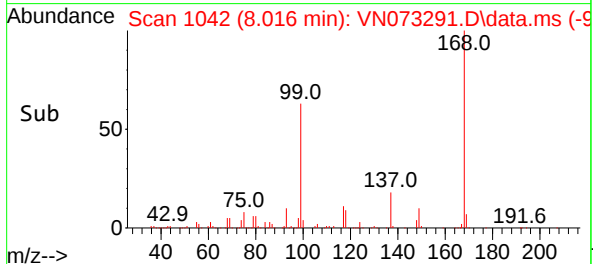
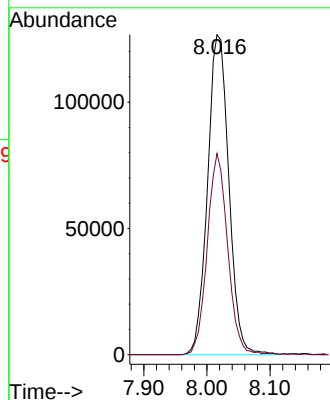
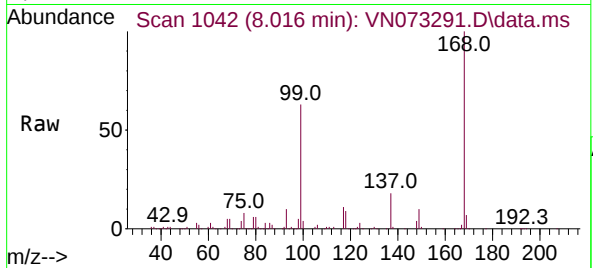
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

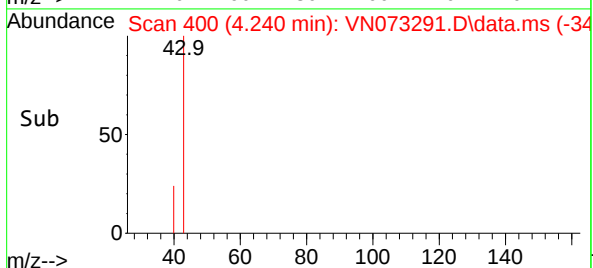
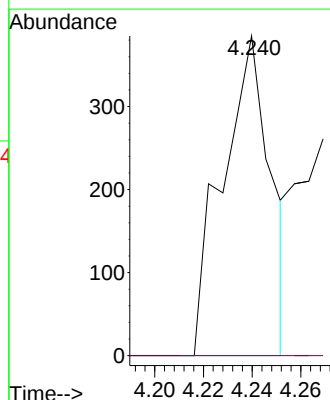
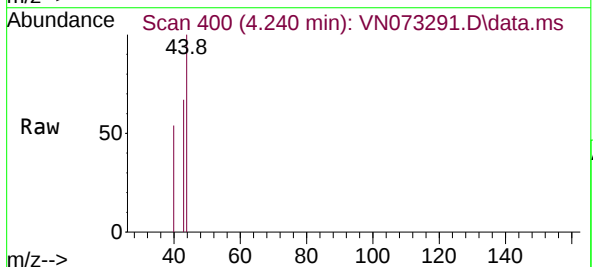
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

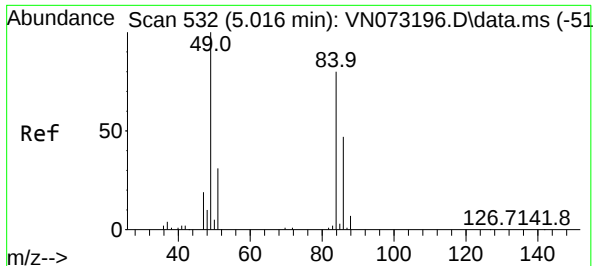
Tgt Ion:168 Resp: 297001
Ion Ratio Lower Upper
168 100
99 62.8 42.3 63.5



#16
Acetone
Concen: 0.220 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

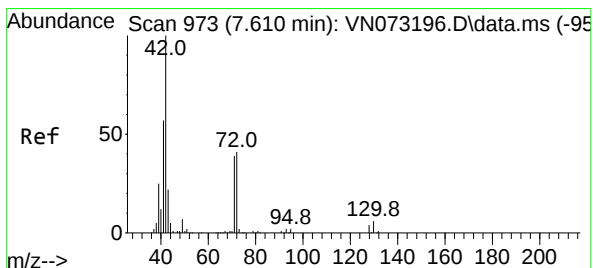
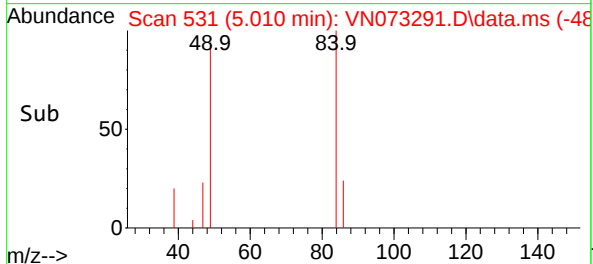
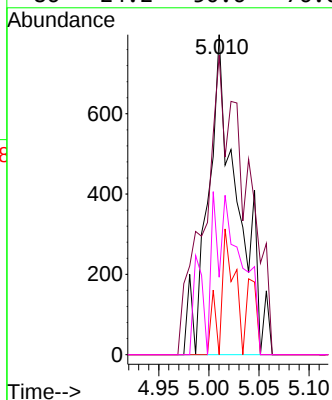
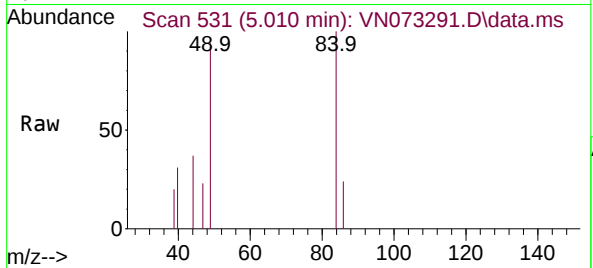




#20
Methylene Chloride
Concen: 0.386 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

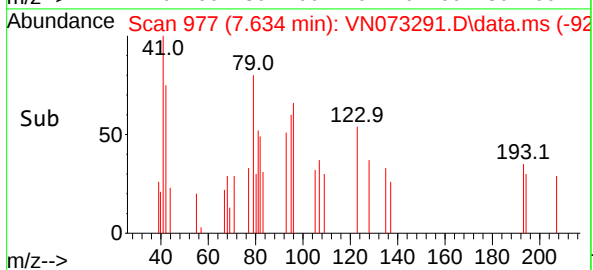
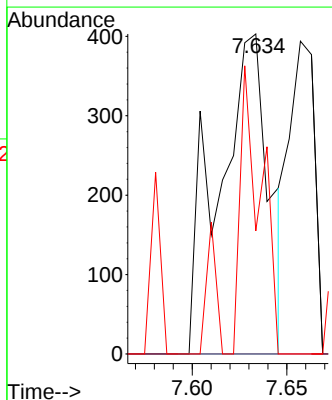
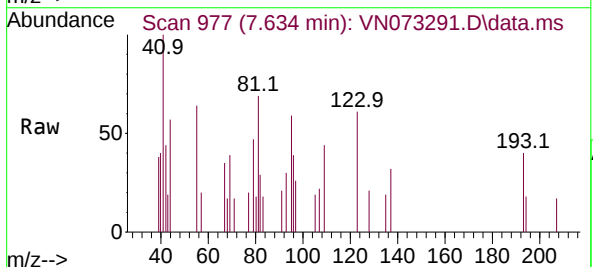
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

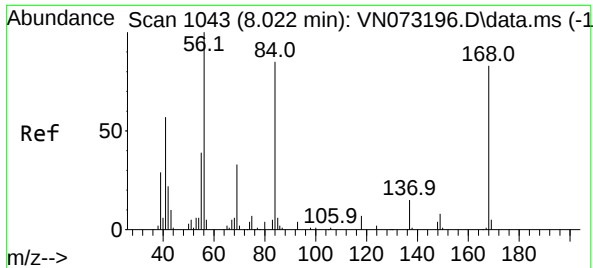
Tgt Ion:	84	Resp:	1632
Ion	Ratio	Lower	Upper
84	100		
49	93.6	88.3	132.5
51	0.0	28.2	42.2#
86	24.2	50.6	76.0#



#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 7.634 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion:	42	Resp:	749
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.7	59.5#
71	36.7	36.6	55.0

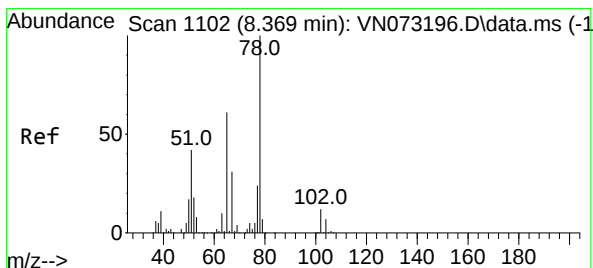
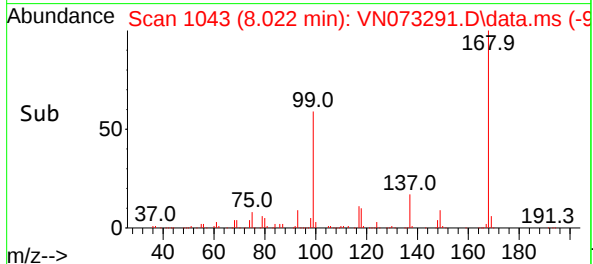
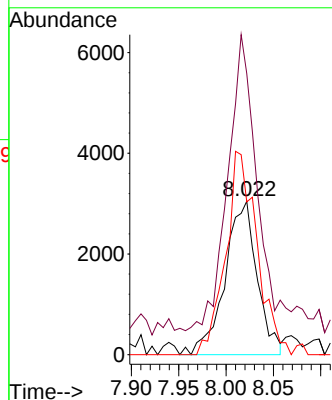
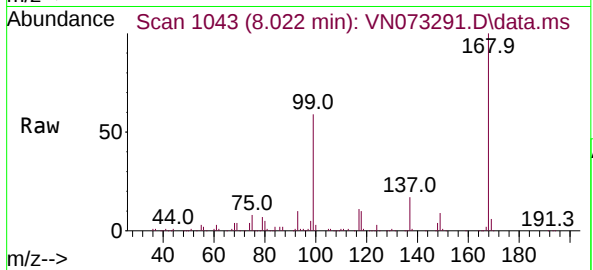




#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

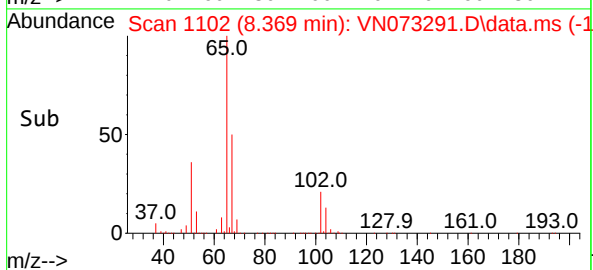
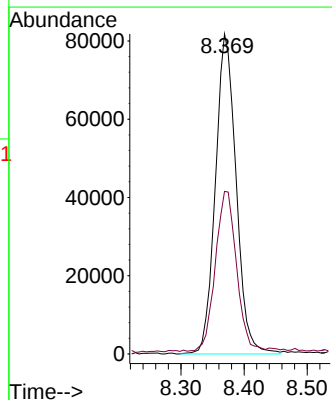
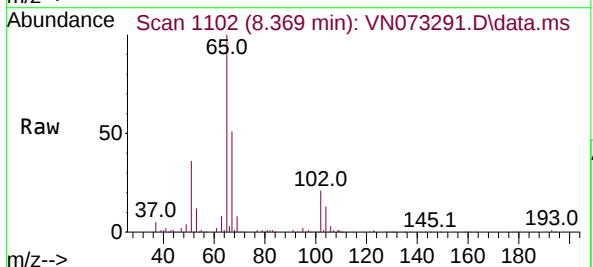
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

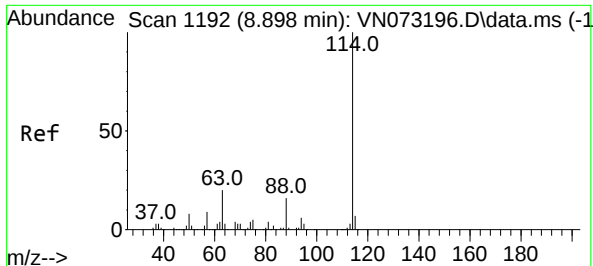
Tgt Ion: 56 Resp: 7237
Ion Ratio Lower Upper
56 100
69 166.0 27.8 41.8#
84 99.5 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 43.479 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 65 Resp: 186416
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

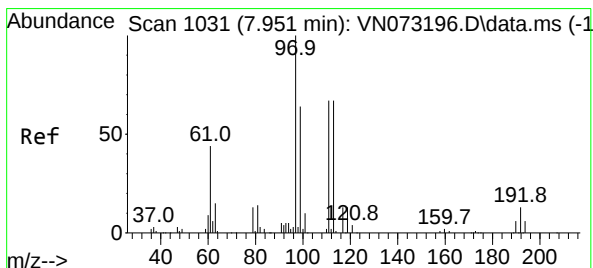
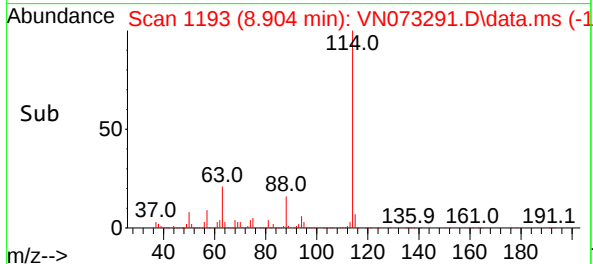
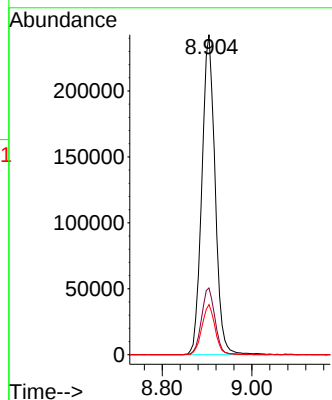
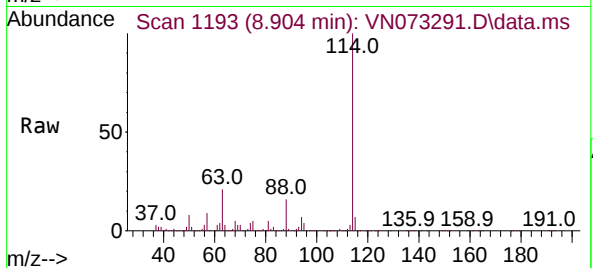
Tgt Ion:114 Resp: 496503

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.289 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

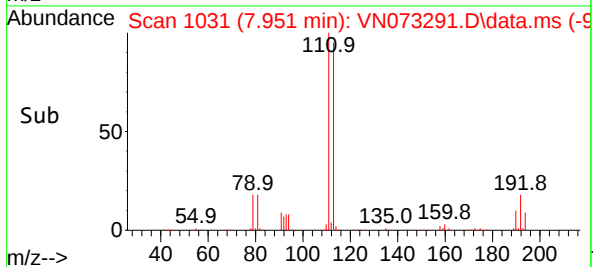
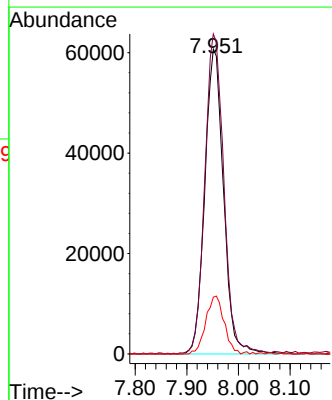
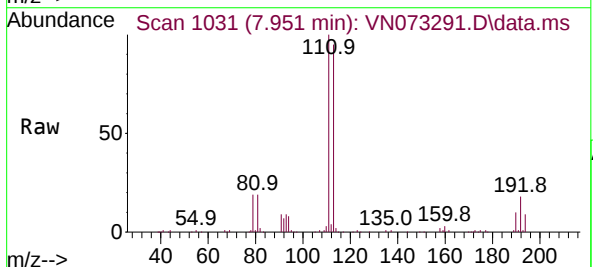
Tgt Ion:113 Resp: 152907

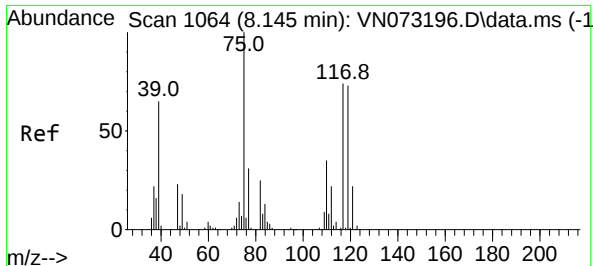
Ion Ratio Lower Upper

113 100

111 106.5 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

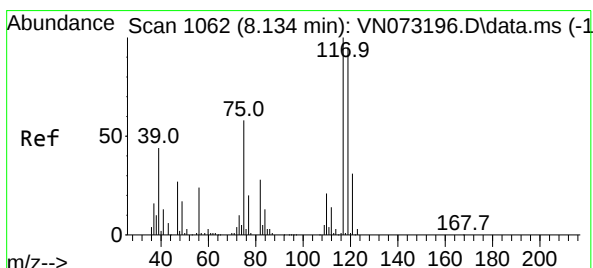
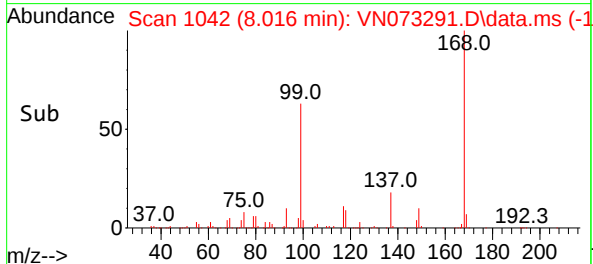
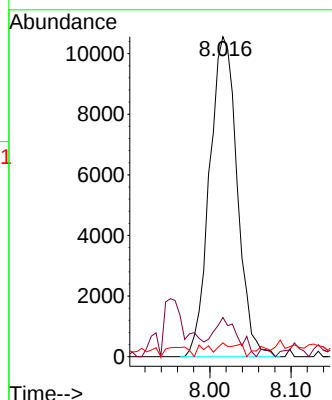
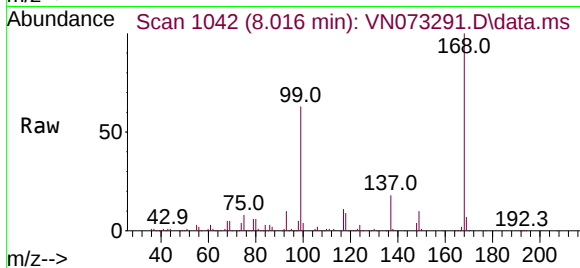
Tgt Ion: 75 Resp: 25002

Ion Ratio Lower Upper

75 100

110 10.9 18.3 54.8#

77 3.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

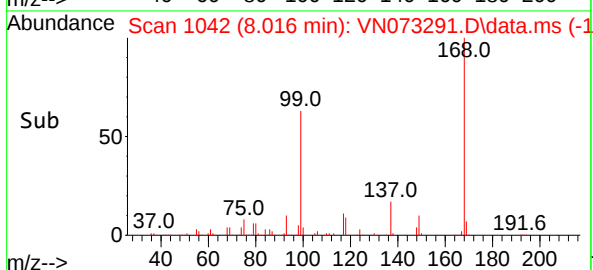
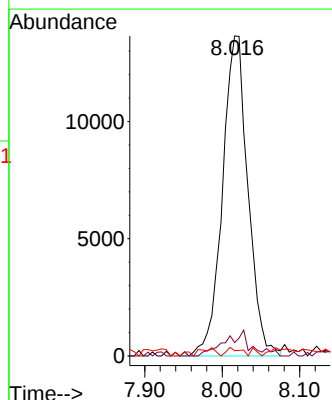
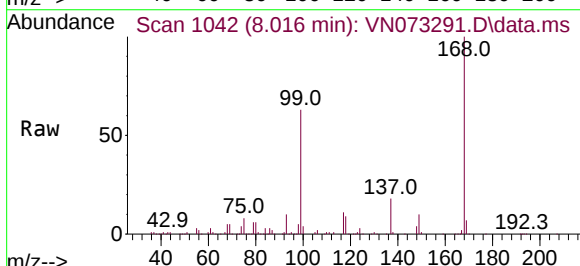
Tgt Ion: 117 Resp: 31338

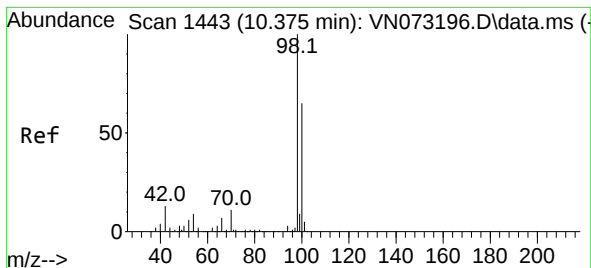
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

121 1.7 24.6 37.0#





#50

Toluene-d8

Concen: 44.448 ug/l

RT: 10.381 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

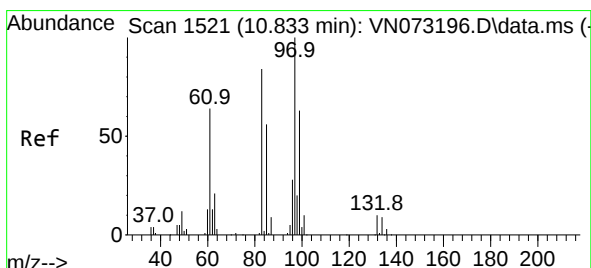
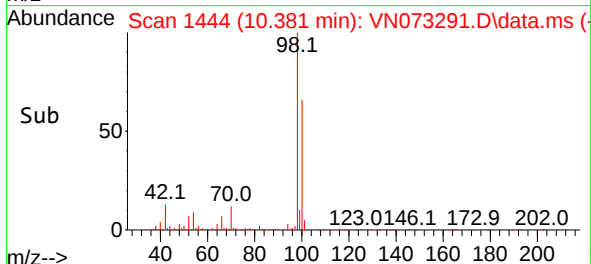
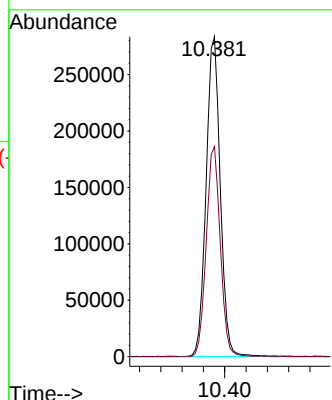
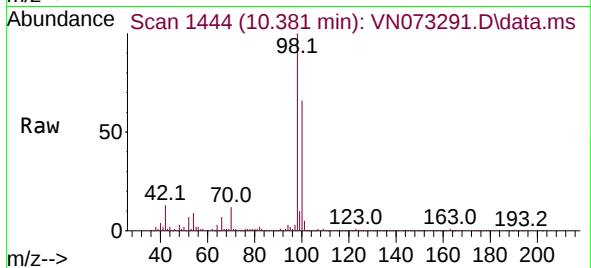
VIBLK

Tgt Ion: 98 Resp: 521471

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 0.475 ug/l

RT: 10.875 min Scan# 1528

Delta R.T. 0.042 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

Tgt Ion: 97 Resp: 1896

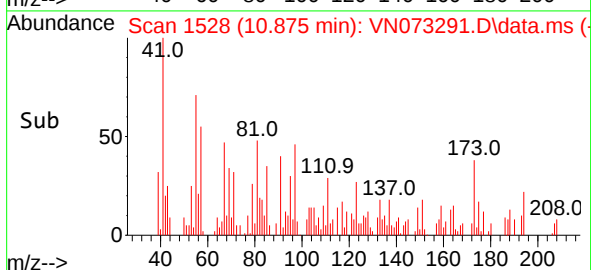
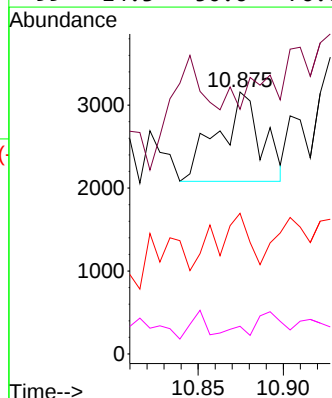
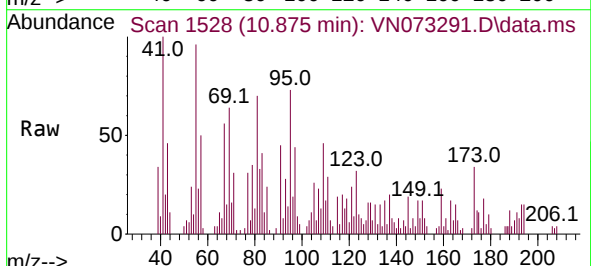
Ion Ratio Lower Upper

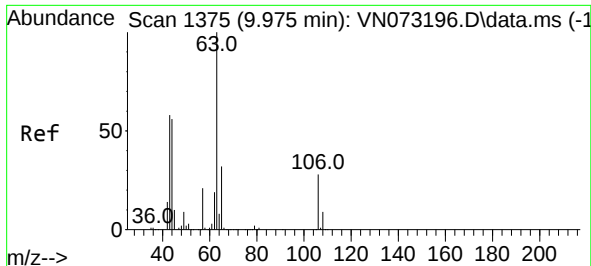
97 100

83 0.0 66.2 99.4#

85 30.7 43.9 65.9#

99 14.3 50.6 76.0#





#58

2-Chloroethyl Vinyl ether

Concen: 0.374 ug/l

RT: 10.145 min Scan# 1404

Delta R.T. 0.170 min

Lab File: VN073291.D

Acq: 01 Jul 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

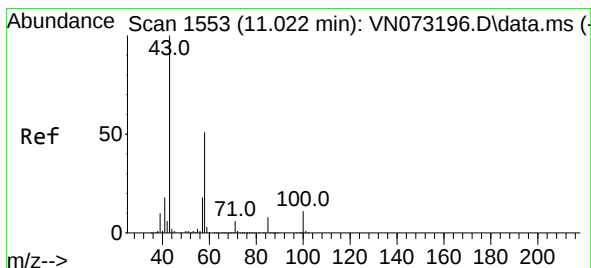
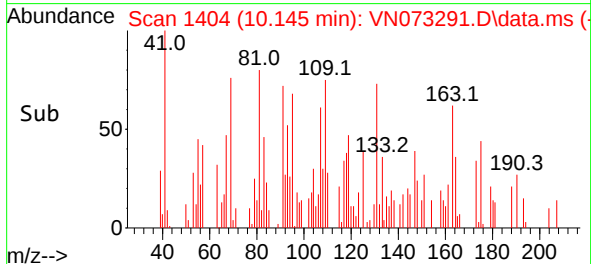
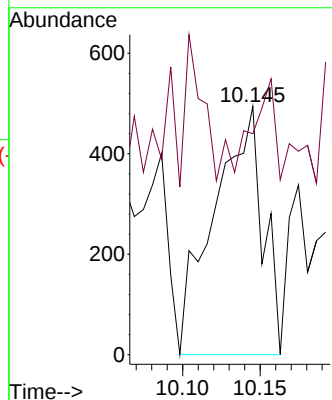
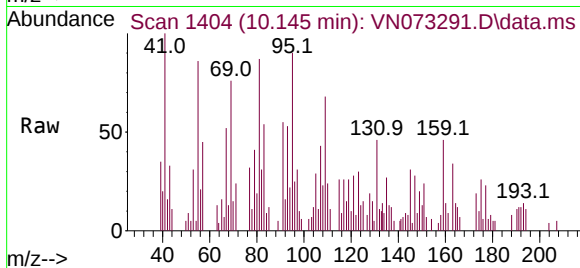
VIBLK

Tgt Ion: 63 Resp: 1076

Ion Ratio Lower Upper

63 100

106 26.3 24.6 36.8



#59

2-Hexanone

Concen: 0.443 ug/l

RT: 11.028 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN073291.D

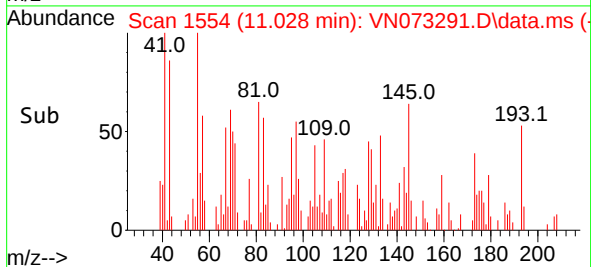
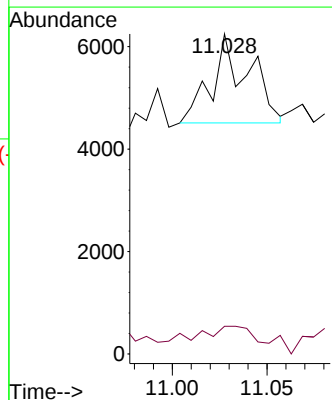
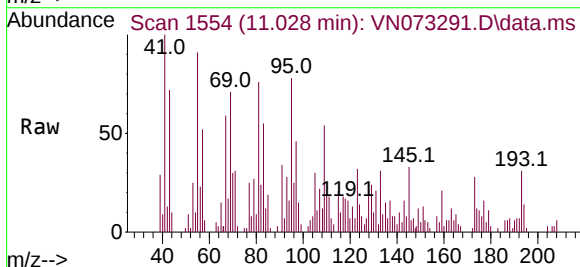
Acq: 01 Jul 2022 12:44

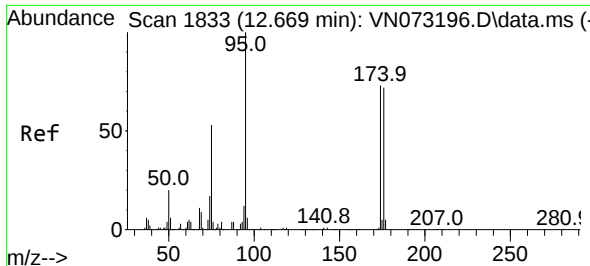
Tgt Ion: 43 Resp: 2365

Ion Ratio Lower Upper

43 100

58 57.5 29.7 89.1

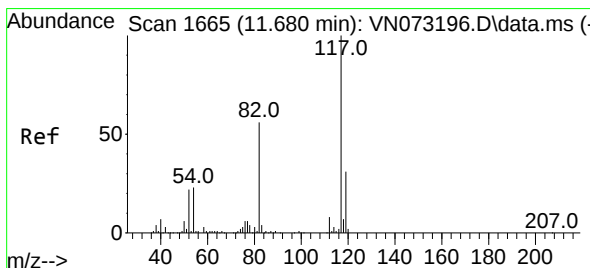
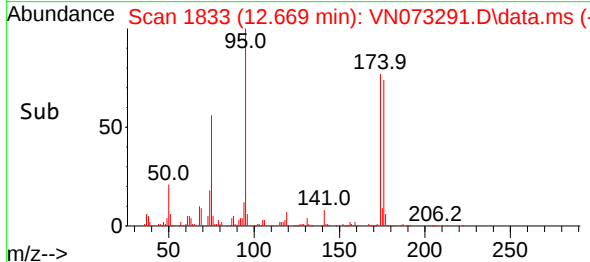
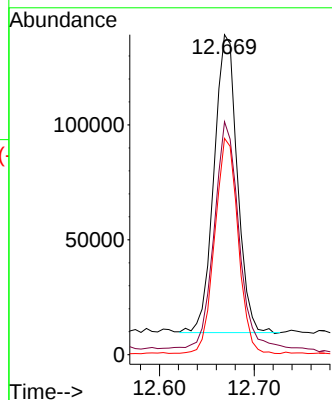
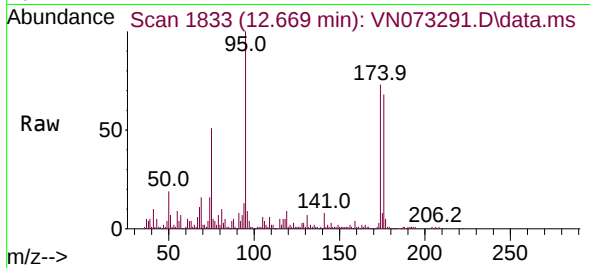




#62
4-Bromofluorobenzene
Concen: 48.974 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

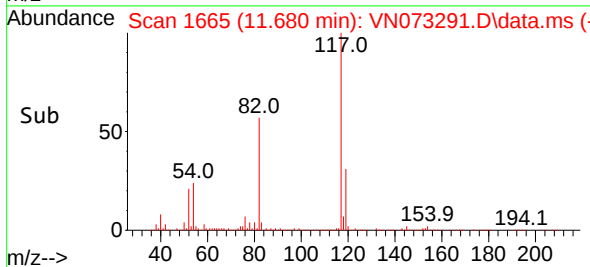
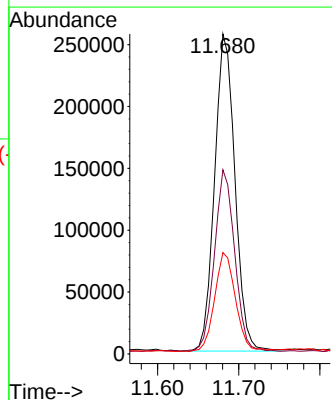
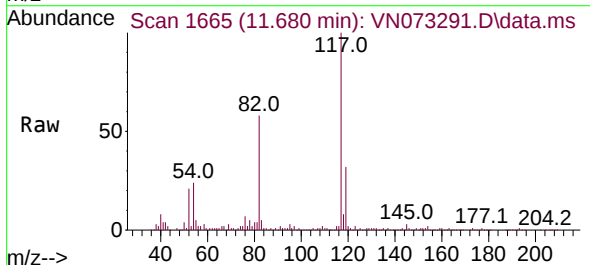
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

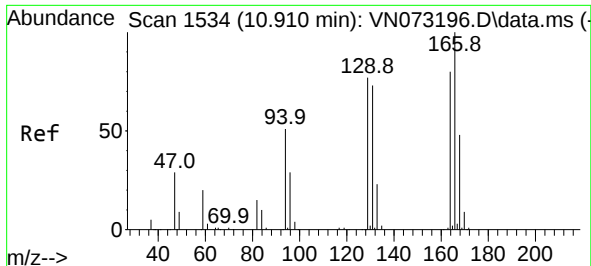
Tgt Ion: 95 Resp: 220808
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 72.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 117 Resp: 447231
Ion Ratio Lower Upper
117 100
82 57.2 44.2 66.2
119 31.2 25.4 38.0

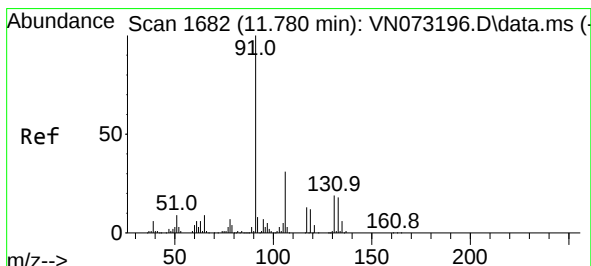
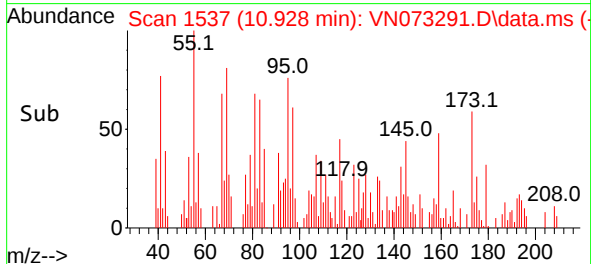
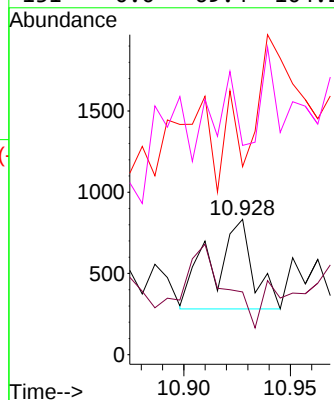
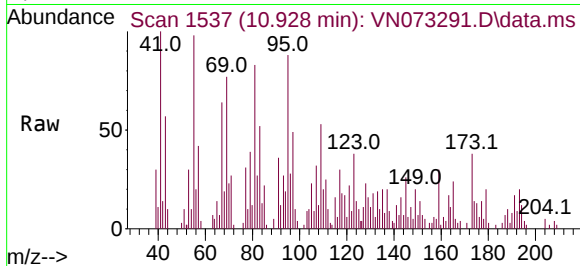




#64
Tetrachloroethene
Concen: 0.204 ug/l
RT: 10.928 min Scan# 1537
Delta R.T. 0.018 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

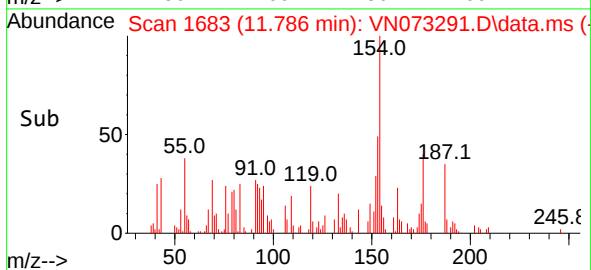
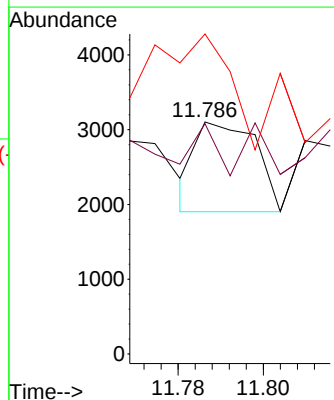
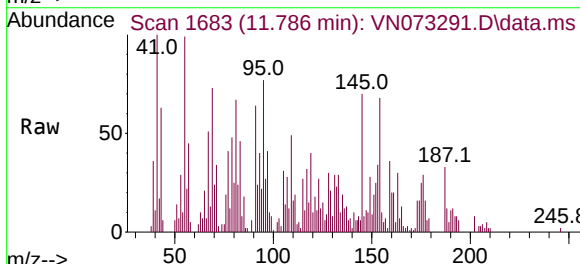
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

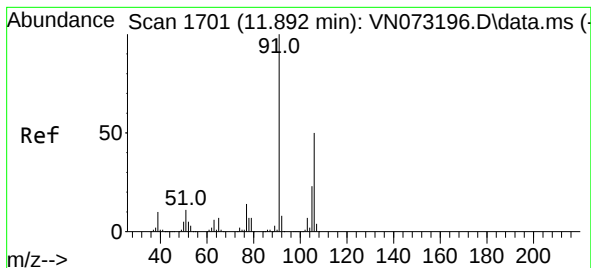
Tgt Ion:164	Resp:	746
Ion	Ratio	Lower Upper
164	100	
166	9.1	104.2 156.2#
129	0.0	73.9 110.9#
131	0.0	69.4 104.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.316 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion:131	Resp:	1174
Ion	Ratio	Lower Upper
131	100	
133	74.6	47.8 143.4
119	0.0	33.4 100.2#

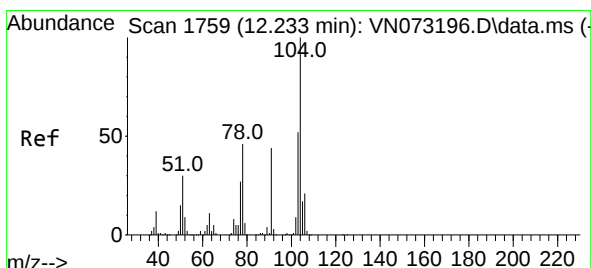
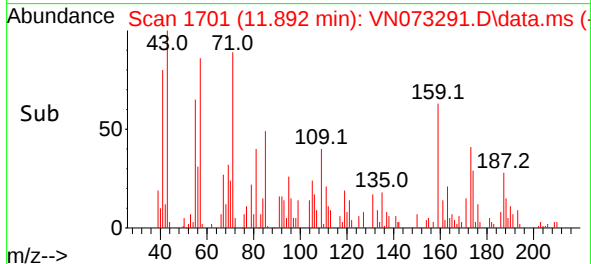
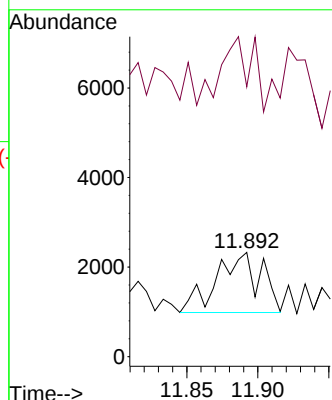
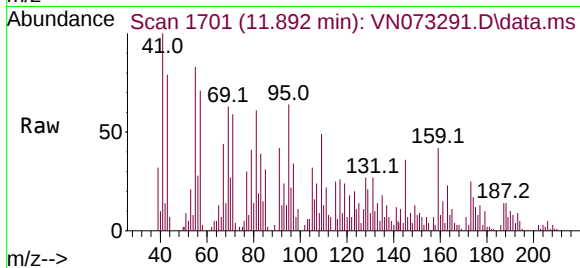




#68
m/p-Xylenes
Concen: 0.419 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

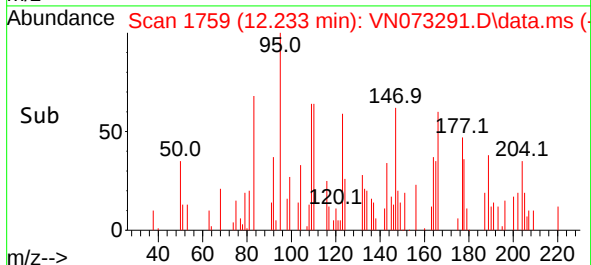
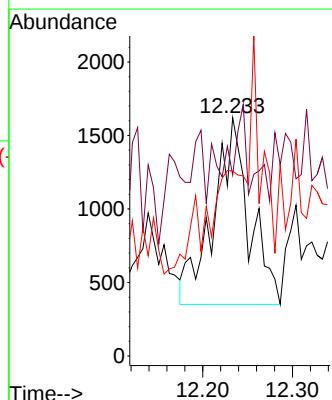
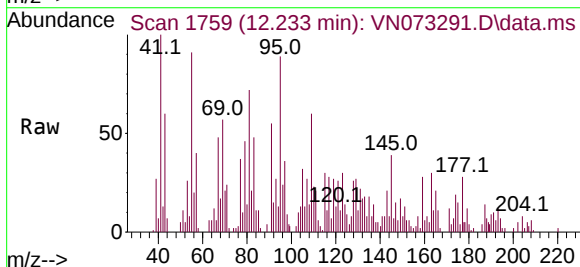
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

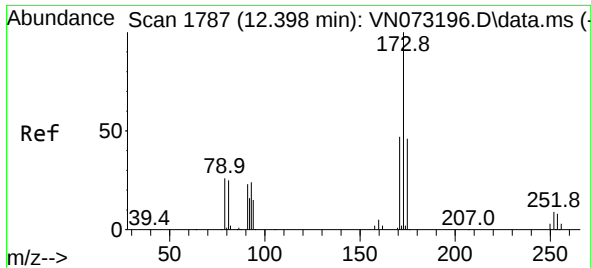
Tgt Ion:106 Resp: 2901
Ion Ratio Lower Upper
106 100
91 77.6 158.9 238.3#



#70
Styrene
Concen: 0.322 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion:104 Resp: 3519
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 29.1 44.0 66.0#

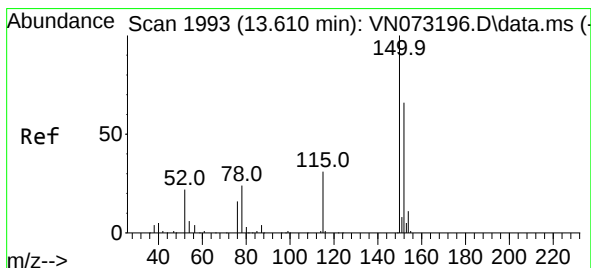
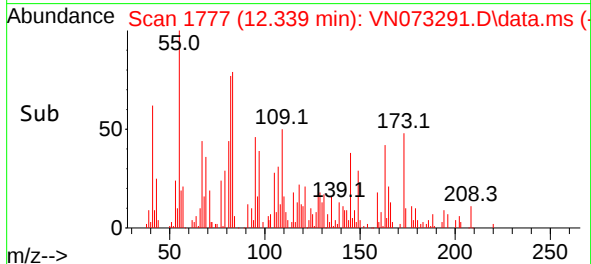
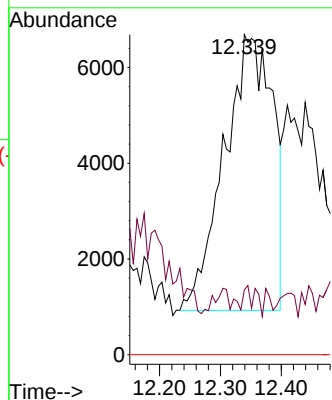
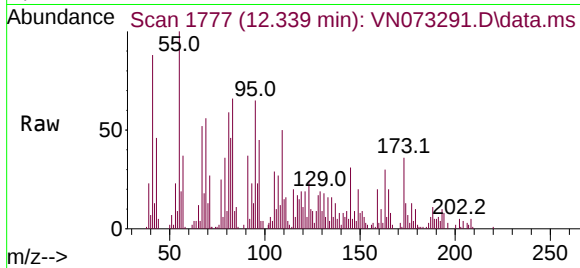




#71
Bromoform
Concen: 11.729 ug/l
RT: 12.339 min Scan# 1777
Delta R.T. -0.059 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

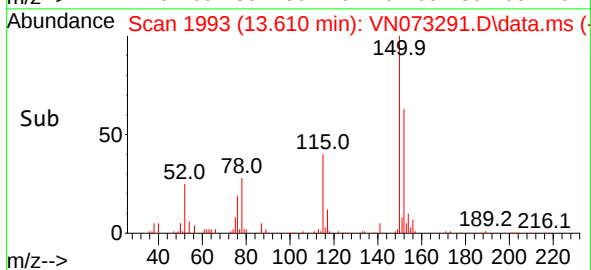
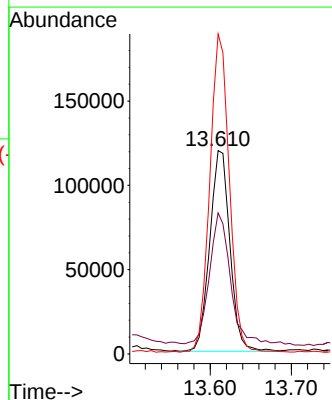
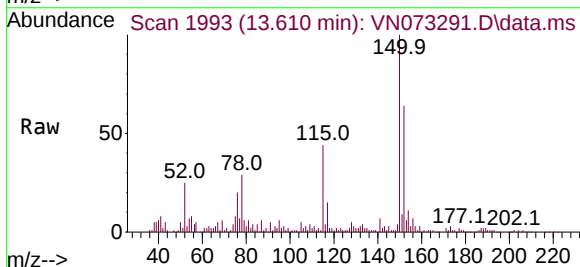
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

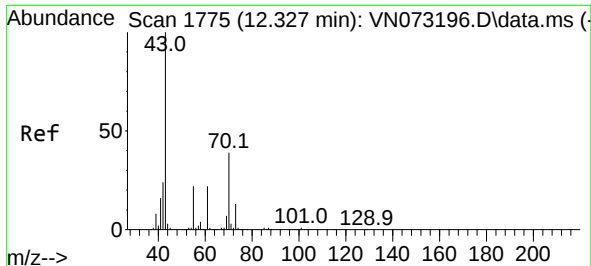
Tgt Ion:173 Resp: 31929
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion:152 Resp: 205265
Ion Ratio Lower Upper
152 100
115 70.8 28.9 86.7
150 153.6 0.0 356.2

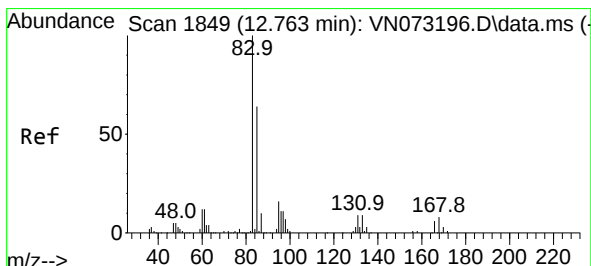
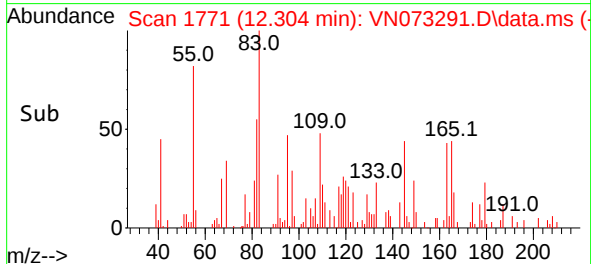
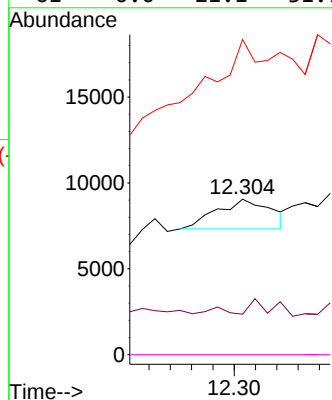
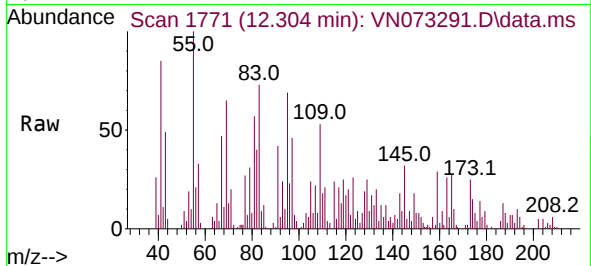




#74
N-amy1 acetate
Concen: 0.347 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

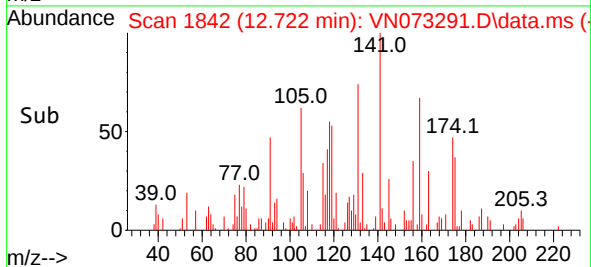
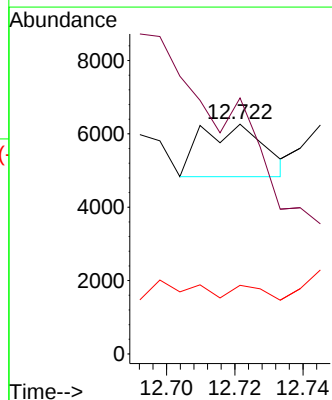
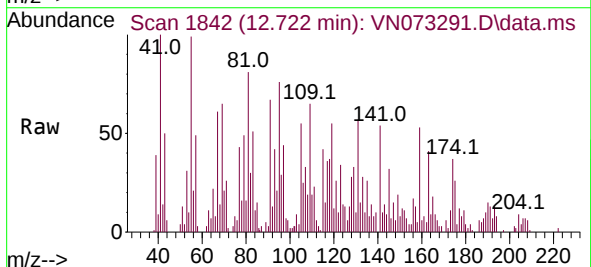
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

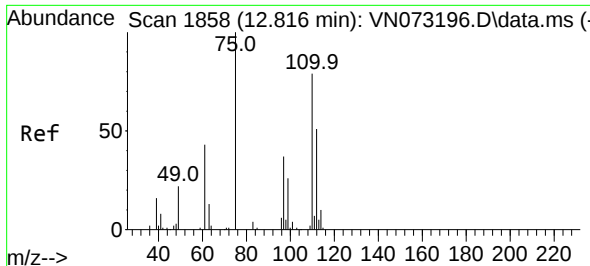
Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
70 20.9 39.0 58.4#
55 814.0 21.1 31.7#
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.311 ug/l
RT: 12.722 min Scan# 1842
Delta R.T. -0.041 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 83 Resp: 1828
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#

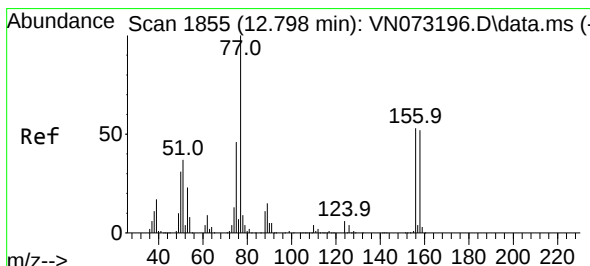
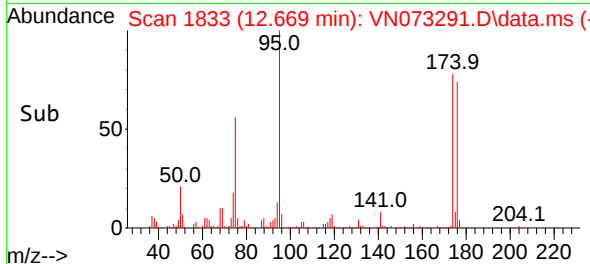
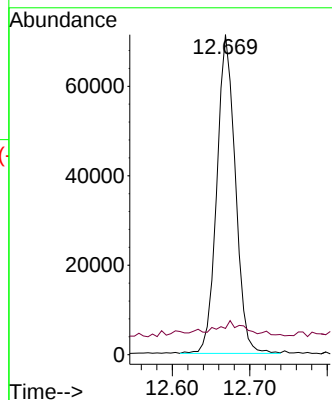
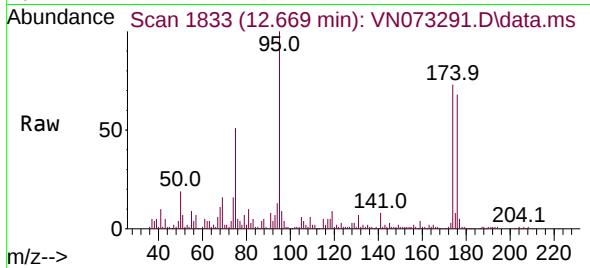




#76
1,2,3-Trichloropropane
Concen: 22.029 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

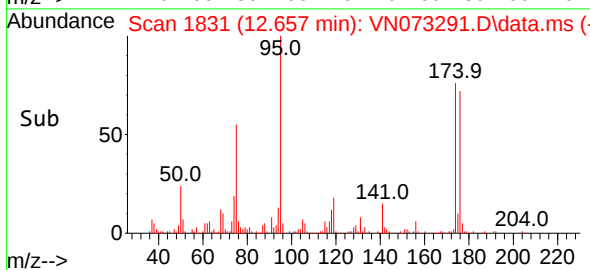
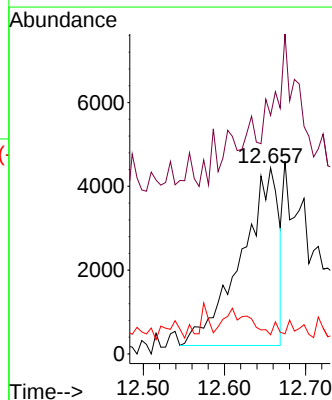
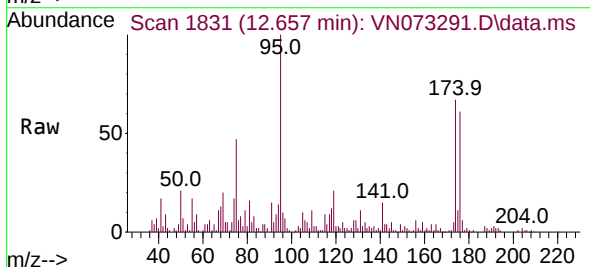
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

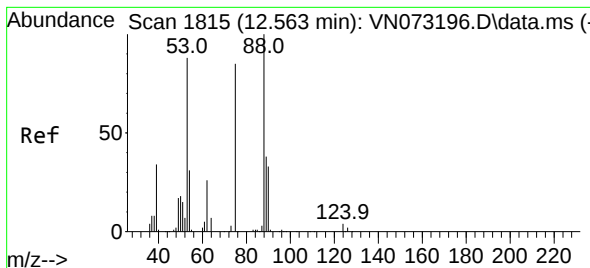
Tgt Ion: 75 Resp: 118234
Ion Ratio Lower Upper
75 100
77 4.6 98.5 295.5#



#77
Bromobenzene
Concen: 3.293 ug/l
RT: 12.657 min Scan# 1831
Delta R.T. -0.141 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion:156 Resp: 13571
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#

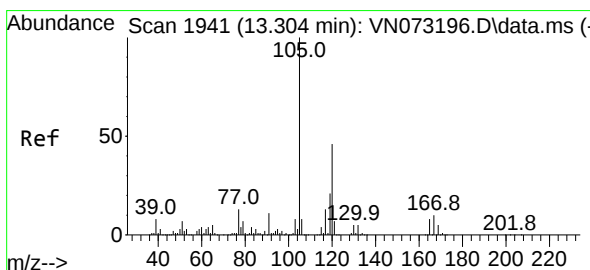
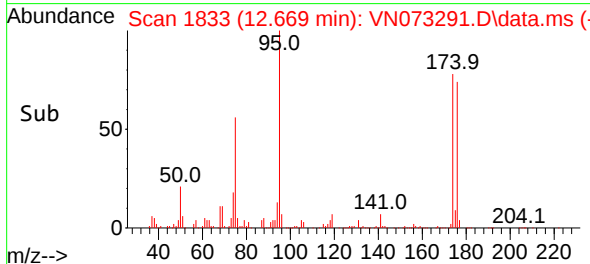
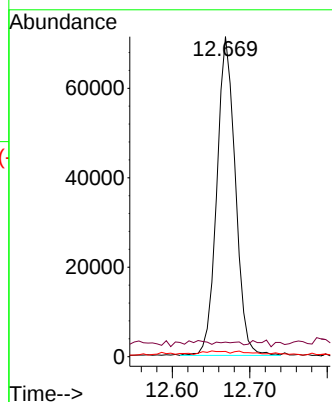
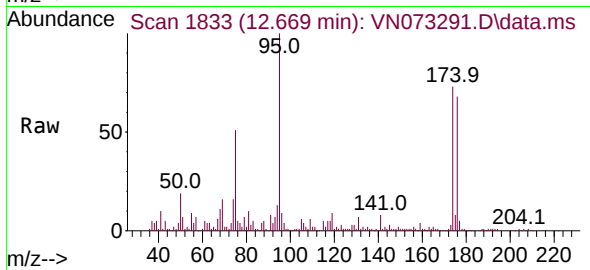




#81
trans-1,4-Dichloro-2-butene
Concen: 60.413 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

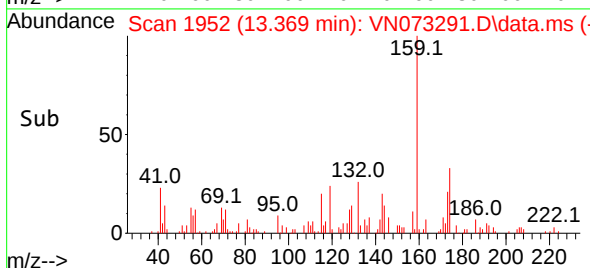
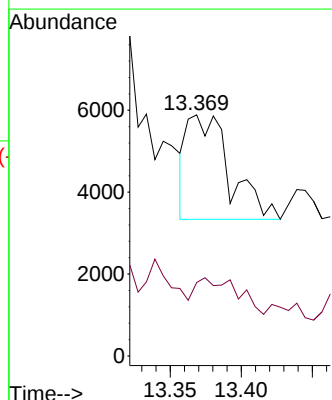
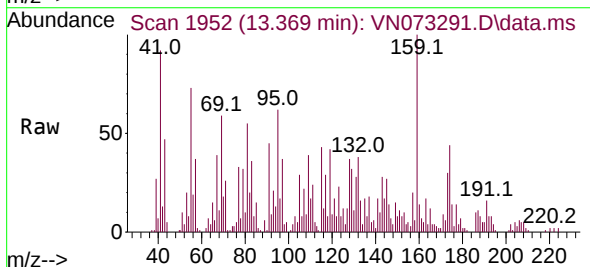
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

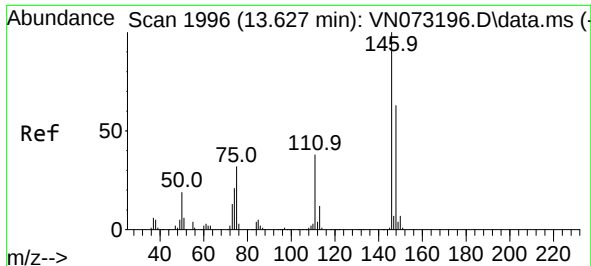
Tgt Ion: 75 Resp: 118234
Ion Ratio Lower Upper
75 100
53 1.0 78.0 117.0#
89 1.3 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.372 ug/l
RT: 13.369 min Scan# 1952
Delta R.T. 0.065 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 105 Resp: 5363
Ion Ratio Lower Upper
105 100
120 33.6 23.3 69.8

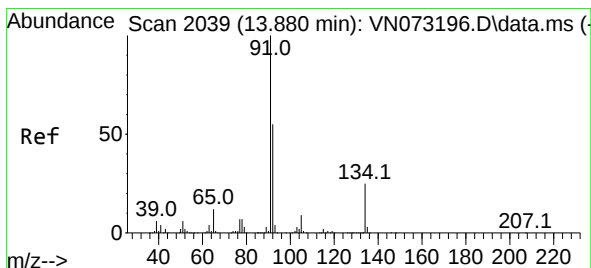
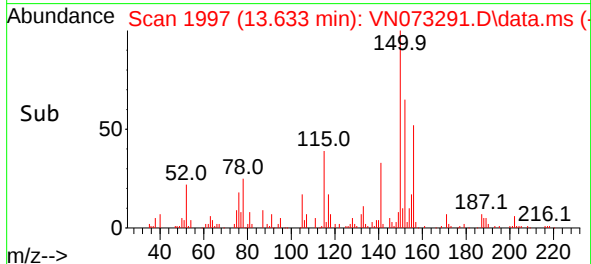
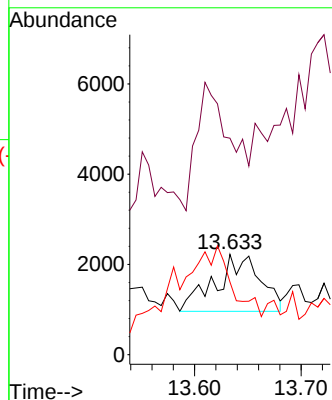
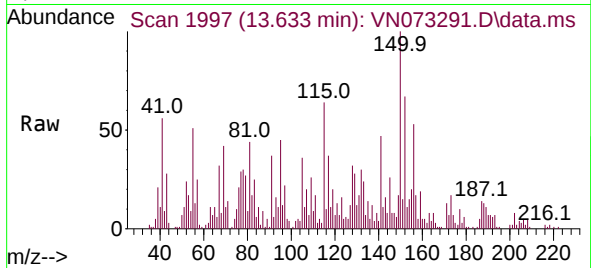




#88
1,4-Dichlorobenzene
Concen: 0.496 ug/l
RT: 13.633 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

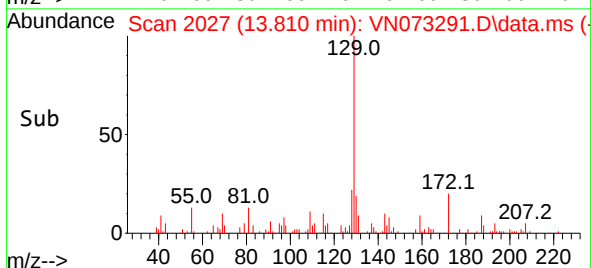
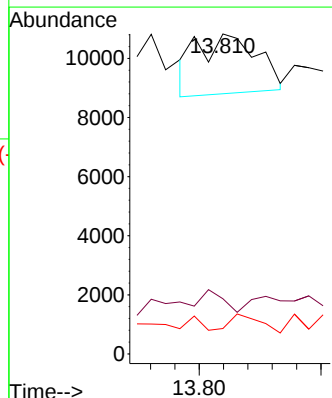
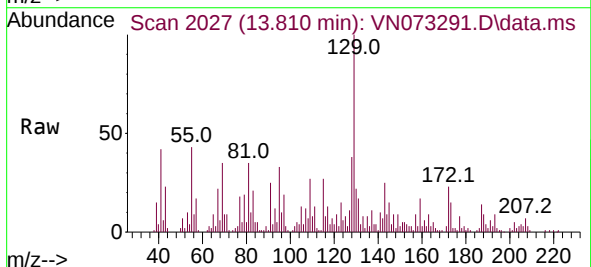
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

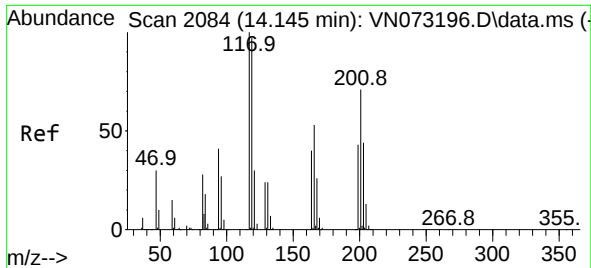
Tgt Ion:146 Resp: 3671
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 98.1 31.4 94.3#



#89
n-Butylbenzene
Concen: 0.295 ug/l
RT: 13.810 min Scan# 2027
Delta R.T. -0.070 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 91 Resp: 3450
Ion Ratio Lower Upper
91 100
92 33.4 26.9 80.7
134 16.4 13.6 40.8

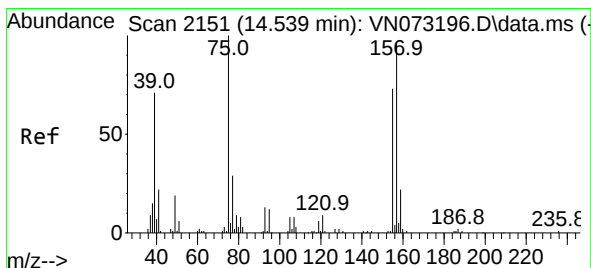
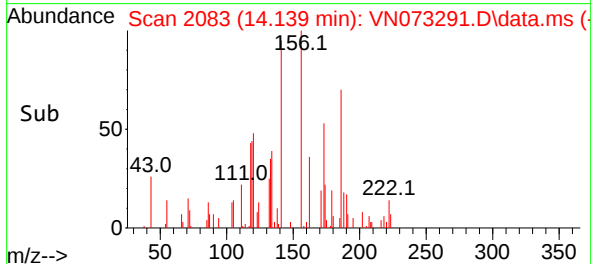
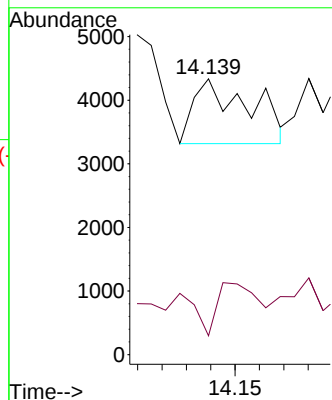
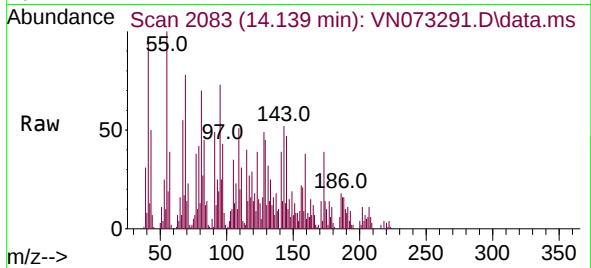




#90
Hexachloroethane
Concen: 0.614 ug/l
RT: 14.139 min Scan# 2083
Delta R.T. -0.006 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

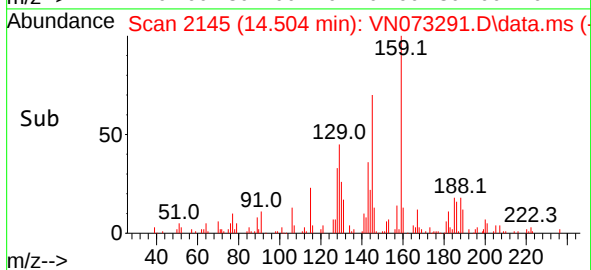
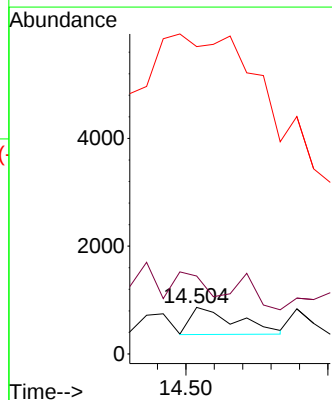
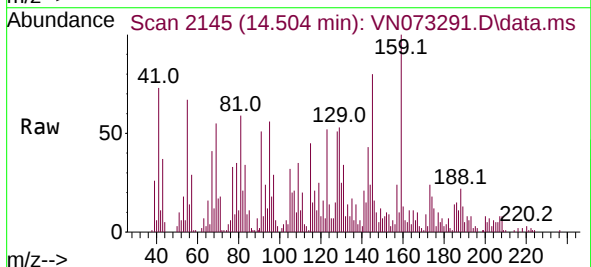
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

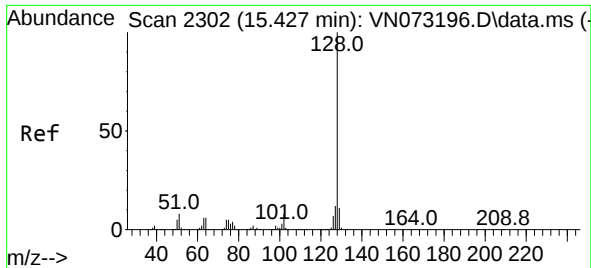
Tgt Ion:117 Resp: 1608
Ion Ratio Lower Upper
117 100
201 60.6 40.6 122.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.400 ug/l
RT: 14.504 min Scan# 2145
Delta R.T. -0.035 min
Lab File: VN073291.D
Acq: 01 Jul 2022 12:44

Tgt Ion: 75 Resp: 572
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 1311.7 59.0 176.8#





#95

Naphthalene

Concen: 6.766 ug/l

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073291.D

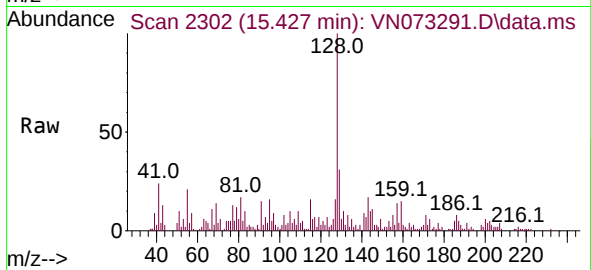
Acq: 01 Jul 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 107035

Ion Ratio Lower Upper

128 100

127 16.4 10.3 15.5#

129 33.4 8.6 13.0#

