

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071588.D
 Acq On : 26 Mar 2022 21:27
 Operator : JC\MD
 Sample : N2140-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MHC

Quant Time: Mar 28 02:21:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

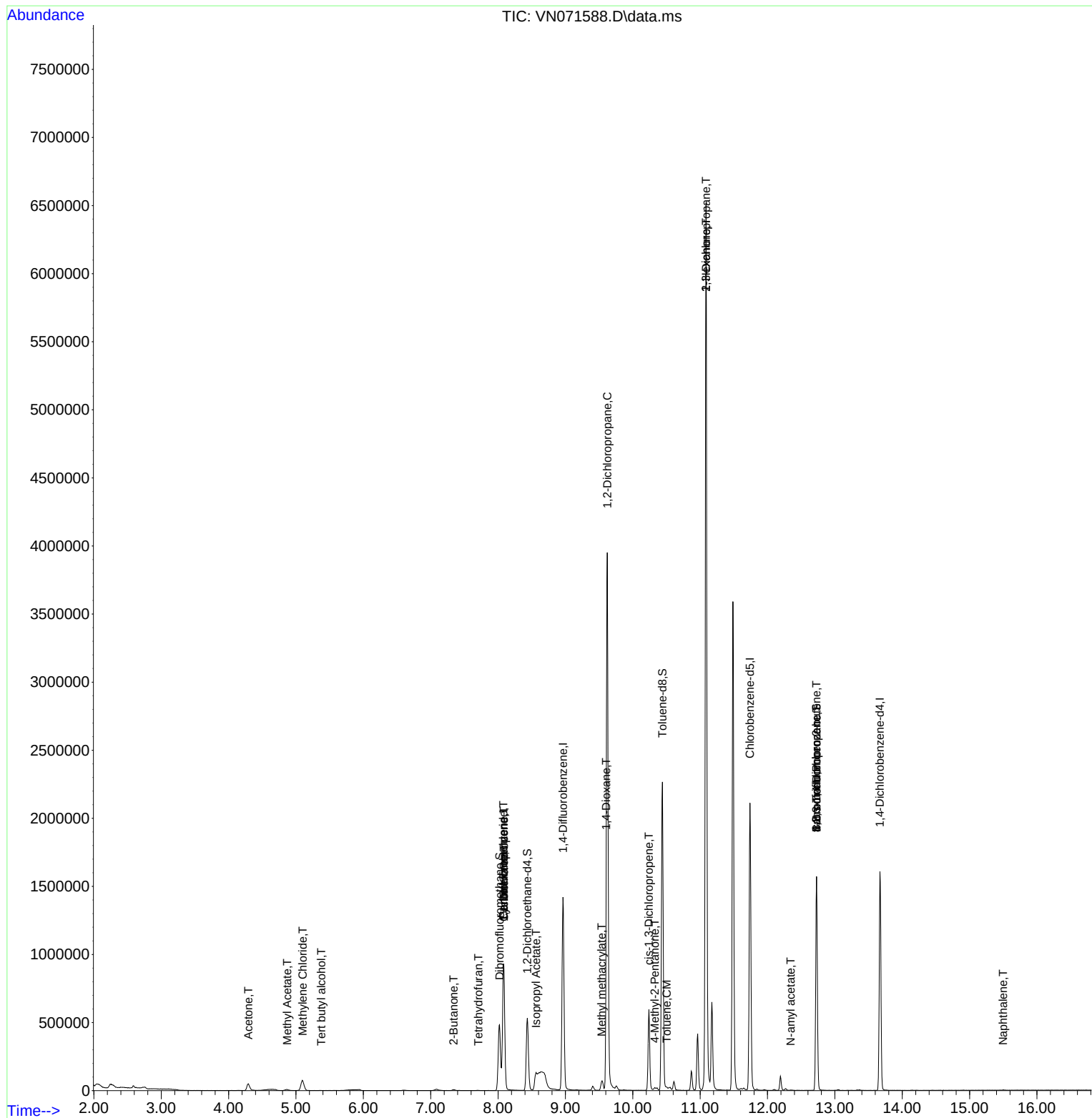
Internal Standards						
1) Pentafluorobenzene	8.081	168	768337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1303119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1300220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	471919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	441887	46.291	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.580%
35) Dibromofluoromethane	8.022	113	366187	44.713	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.420%
50) Toluene-d8	10.439	98	1630241	49.351	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.727	95	547913	50.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2248	Below Cal	#	85
11) Tert butyl alcohol	5.375	59	883	0.496	ug/l #	72
16) Acetone	4.293	43	93474	23.890	ug/l	98
18) Methyl Acetate	4.869	43	16844	0.409	ug/l	98
20) Methylene Chloride	5.098	84	63779	6.996	ug/l	96
25) 2-Butanone	7.339	43	13557	2.160	ug/l	97
29) Tetrahydrofuran	7.710	42	1303	0.312	ug/l #	52
31) Cyclohexane	8.086	56	14110	1.033	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	52584	4.453	ug/l #	48
38) Carbon Tetrachloride	8.081	117	70679	6.141	ug/l #	17
43) Isopropyl Acetate	8.563	43	189200	8.860	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	5437	0.597	ug/l #	44
48) Methyl methacrylate	9.539	41	18146	1.953	ug/l #	10
49) 1,4-Dioxane	9.604	88	265	1.236	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	9512	0.738	ug/l #	85
52) Toluene	10.504	92	6226	0.271	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	115020	7.986	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	72203	4.601	ug/l #	43
59) 2-Hexanone	11.086	43	932211	100.353	ug/l #	47
71) Bromoform	12.727	173	2918	0.380	ug/l #	1
74) N-amyl acetate	12.345	43	3160	0.236	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.733	83	192	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	267960	25.464	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	267960	68.174	ug/l #	10
95) Naphthalene	15.498	128	3557	3.353	ug/l #	89

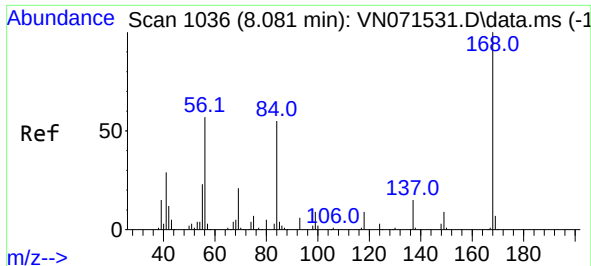
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 25 09:52:40 2022
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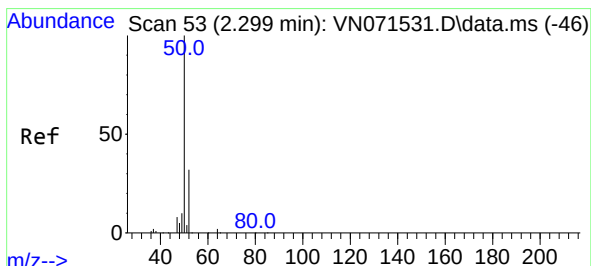
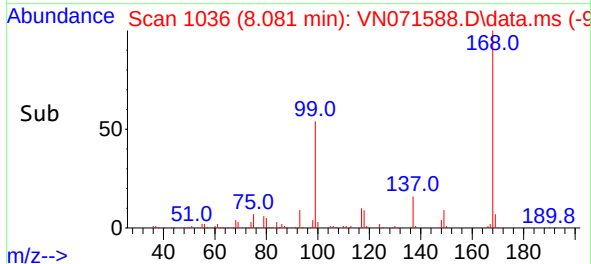
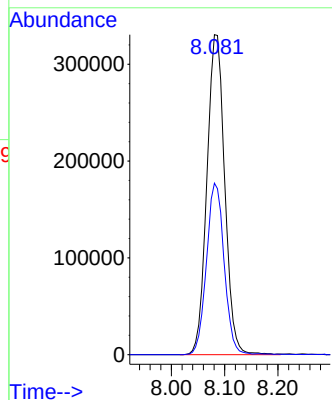
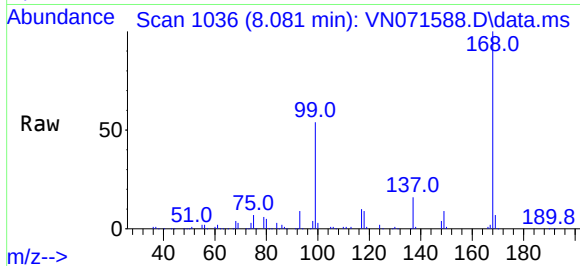




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

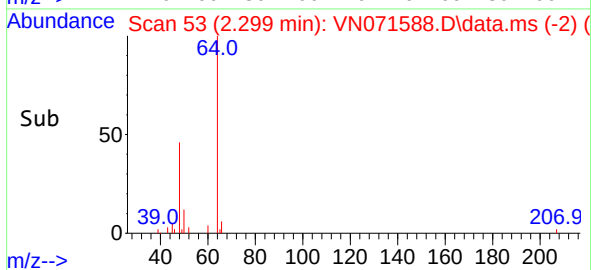
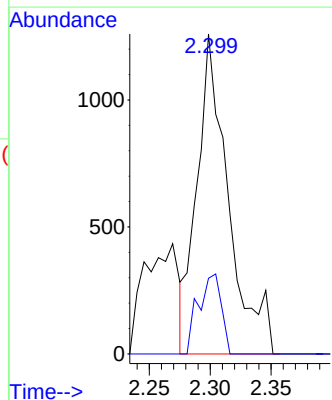
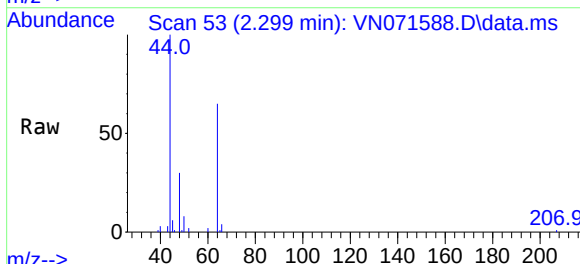
Instrument :
MSVOA_N
ClientSampleId :
MHC

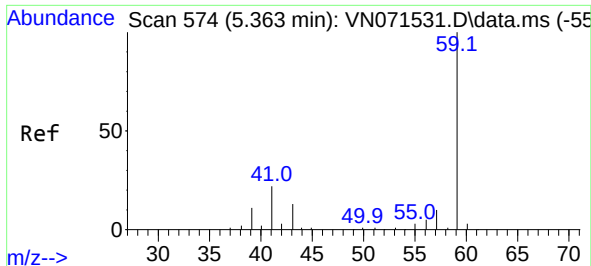
Tgt Ion:168 Resp: 768337
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 50 Resp: 2248
Ion Ratio Lower Upper
50 100
52 23.7 25.7 38.5#





#11

Tert butyl alcohol

Concen: 0.496 ug/l

RT: 5.375 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

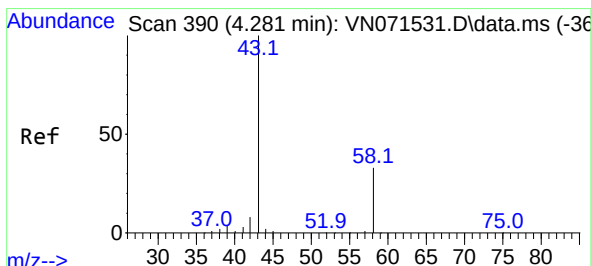
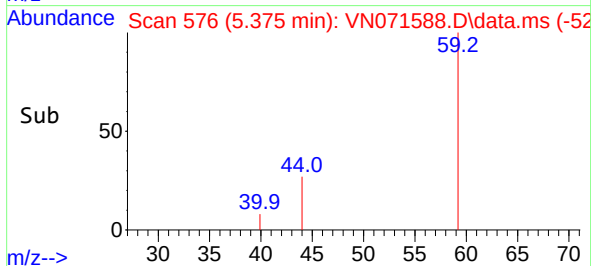
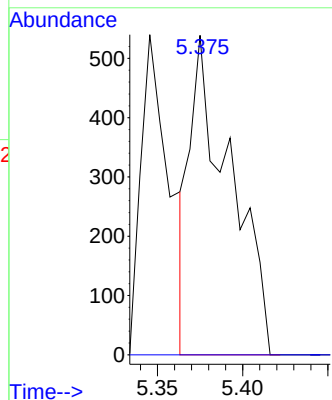
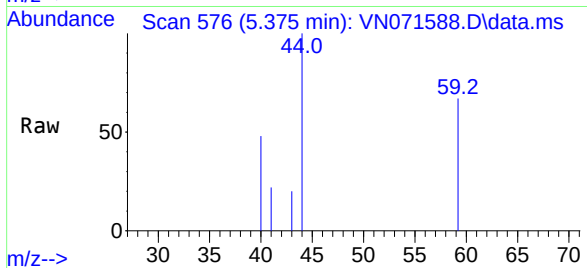
MHC

Tgt Ion: 59 Resp: 883

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 23.890 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN071588.D

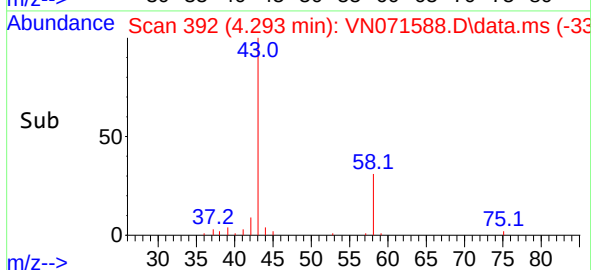
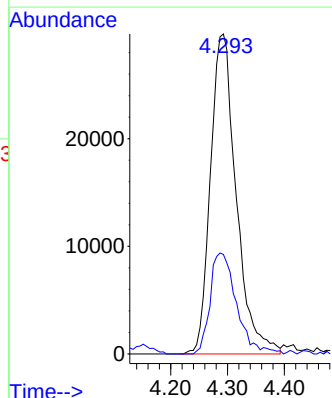
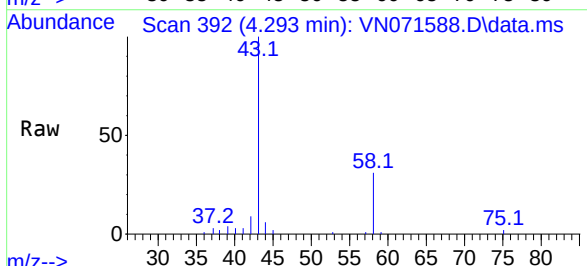
Acq: 26 Mar 2022 21:27

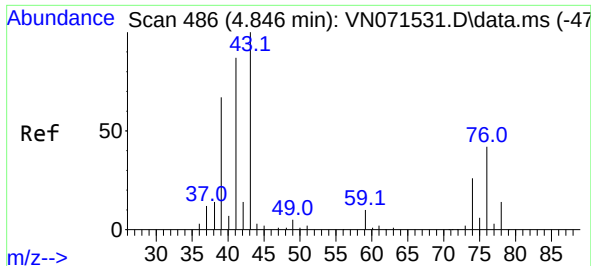
Tgt Ion: 43 Resp: 93474

Ion Ratio Lower Upper

43 100

58 31.1 26.0 39.0

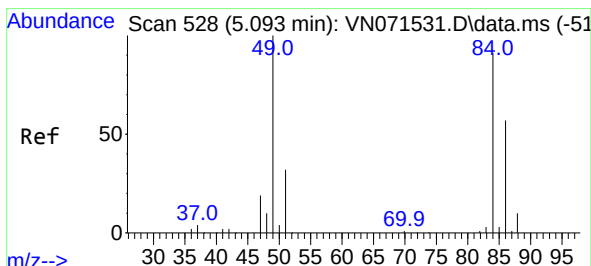
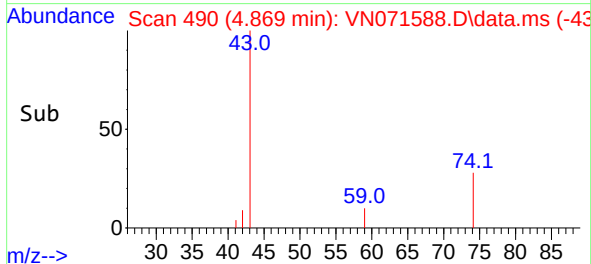
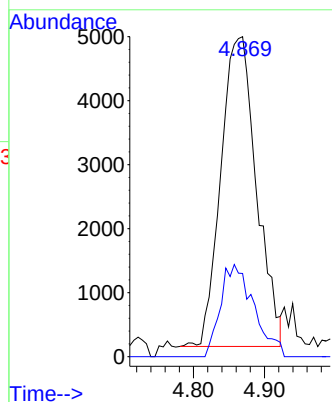
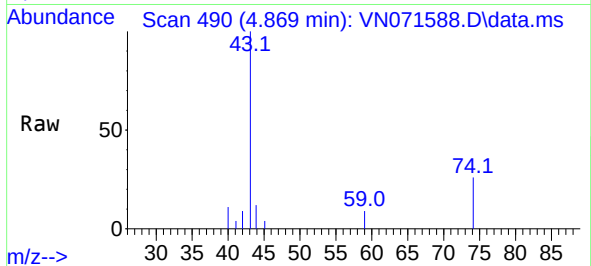




#18
Methyl Acetate
Concen: 0.409 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

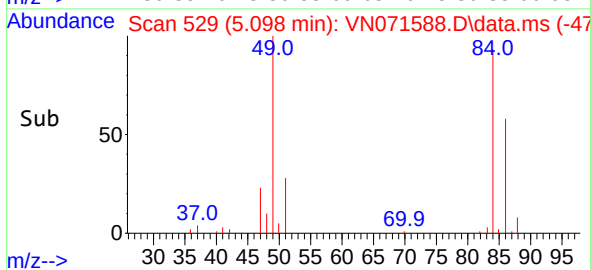
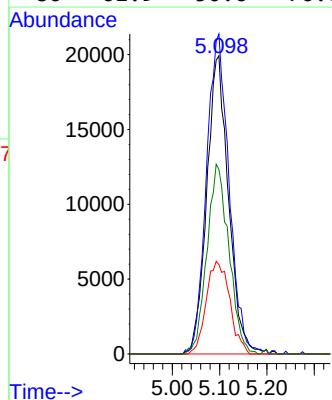
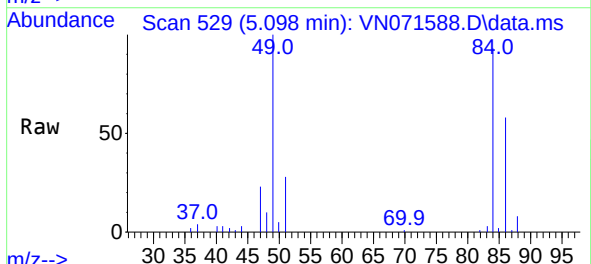
Instrument :
MSVOA_N
ClientSampleId :
MHC

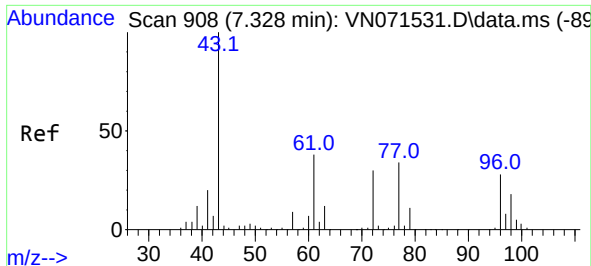
Tgt Ion: 43 Resp: 16844
Ion Ratio Lower Upper
43 100
74 27.9 21.6 32.4



#20
Methylene Chloride
Concen: 6.996 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 84 Resp: 63779
Ion Ratio Lower Upper
84 100
49 107.3 88.3 132.5
51 30.0 28.2 42.2
86 61.9 50.6 76.0





#25

2-Butanone

Concen: 2.160 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

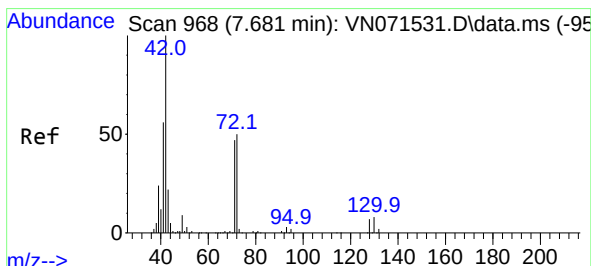
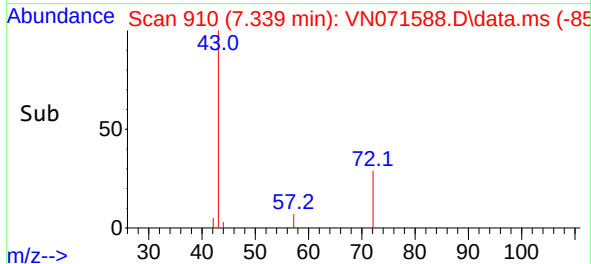
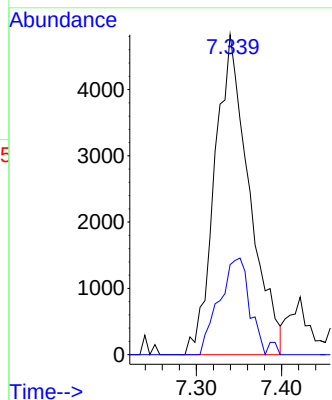
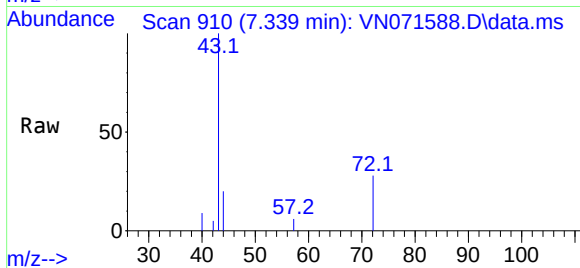
MHC

Tgt Ion: 43 Resp: 13557

Ion Ratio Lower Upper

43 100

72 28.2 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.312 ug/l

RT: 7.710 min Scan# 973

Delta R.T. 0.029 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

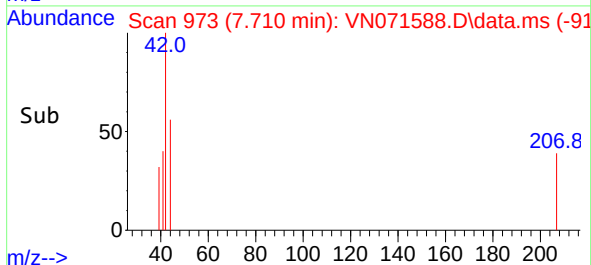
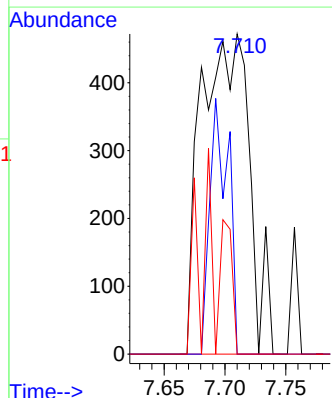
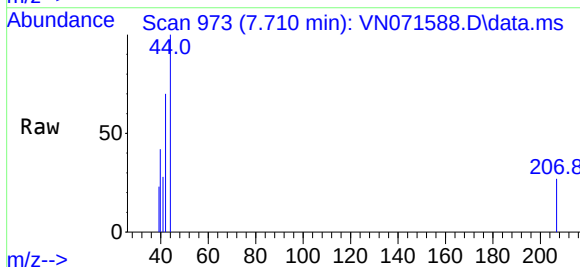
Tgt Ion: 42 Resp: 1303

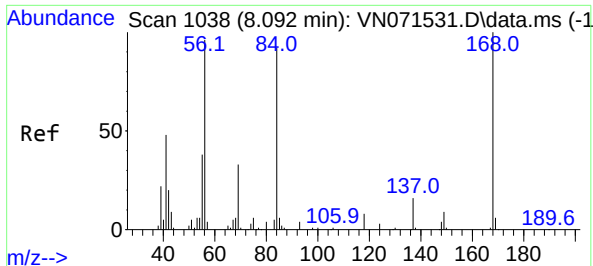
Ion Ratio Lower Upper

42 100

72 30.5 39.7 59.5#

71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

MHC

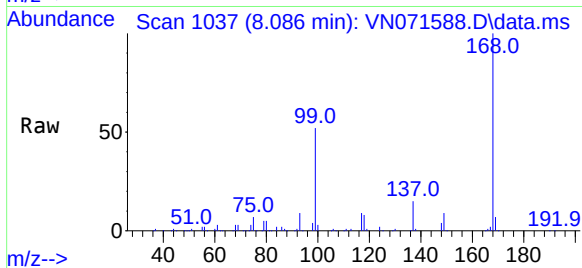
Tgt Ion: 56 Resp: 14110

Ion Ratio Lower Upper

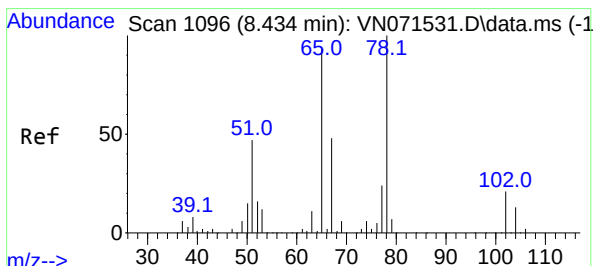
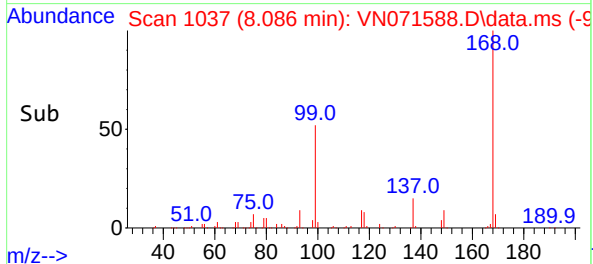
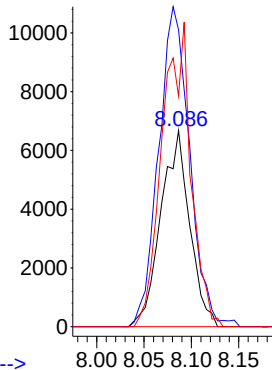
56 100

69 151.3 27.8 41.8#

84 117.7 76.9 115.3#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 46.291 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071588.D

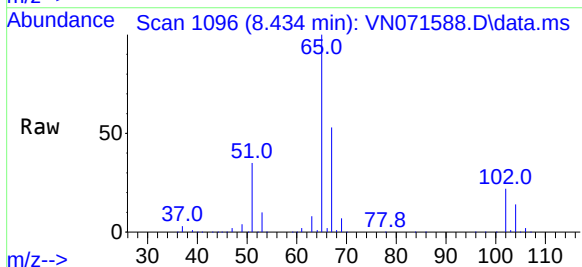
Acq: 26 Mar 2022 21:27

Tgt Ion: 65 Resp: 441887

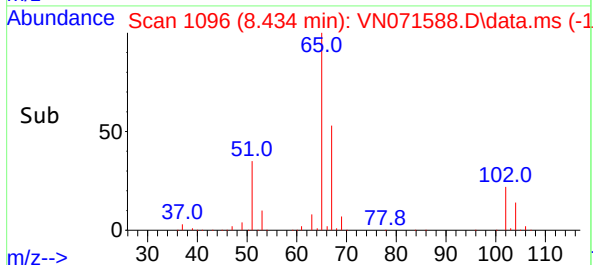
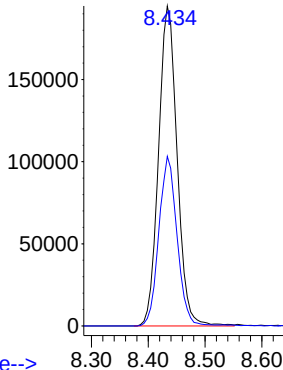
Ion Ratio Lower Upper

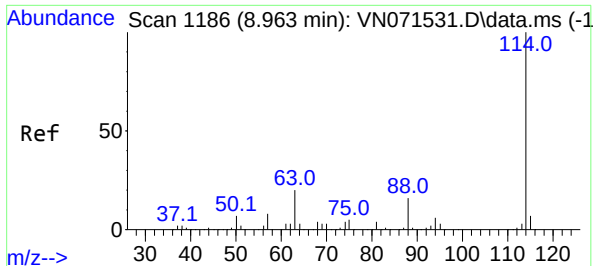
65 100

67 51.8 0.0 104.8



Abundance





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

MHC

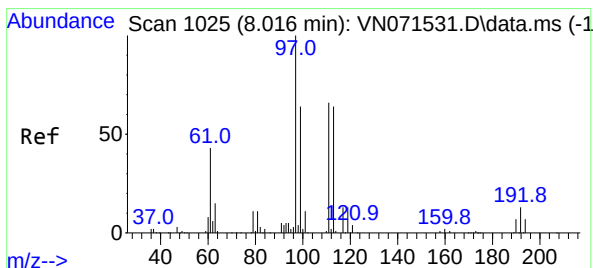
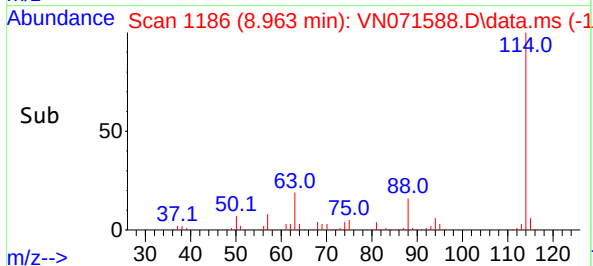
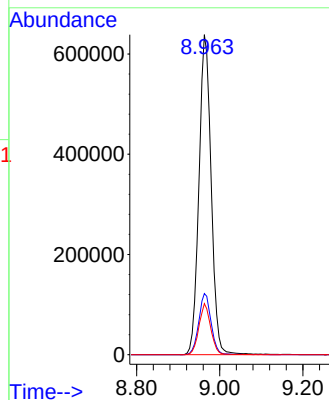
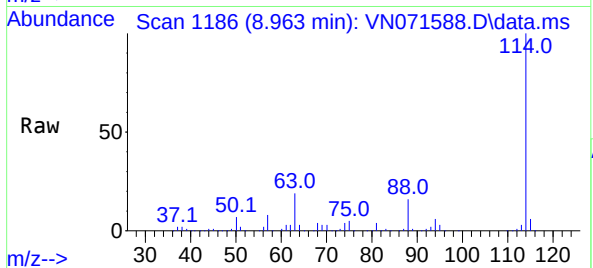
Tgt Ion:114 Resp: 1303119

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.713 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

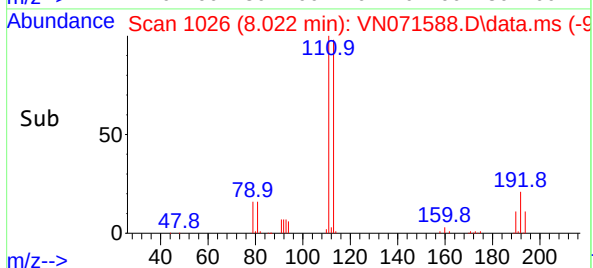
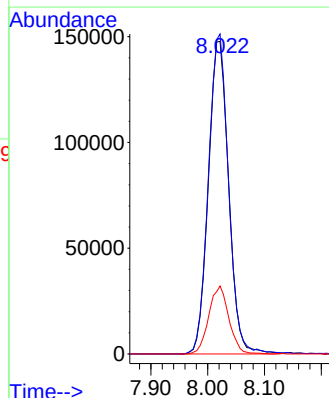
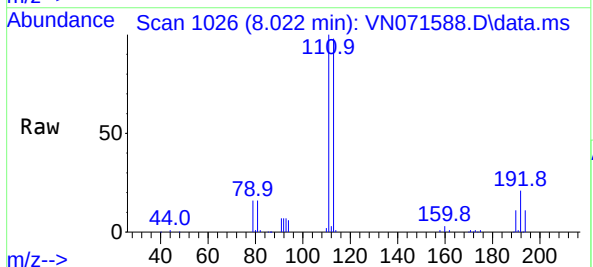
Tgt Ion:113 Resp: 366187

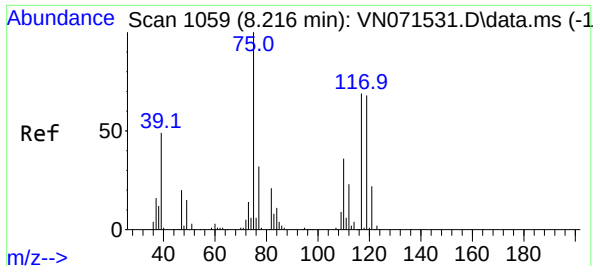
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 21.5 17.0 25.6

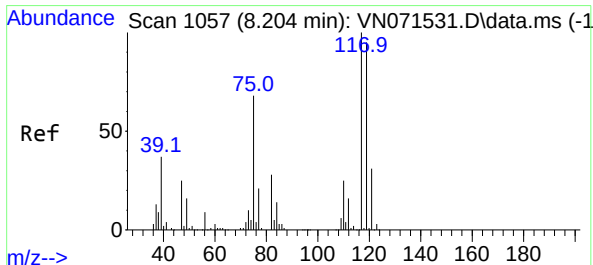
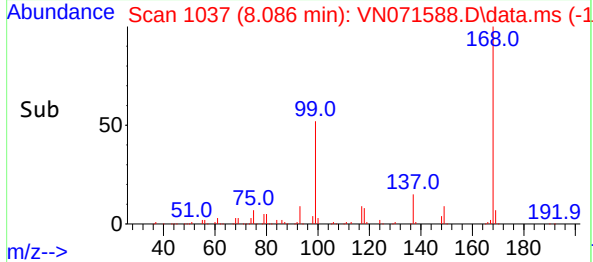
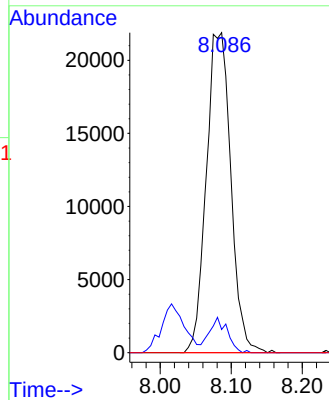
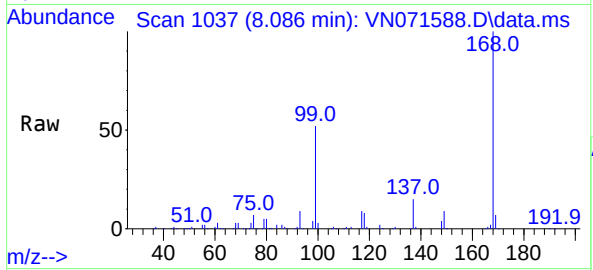




#36
1,1-Dichloropropene
Concen: 4.453 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

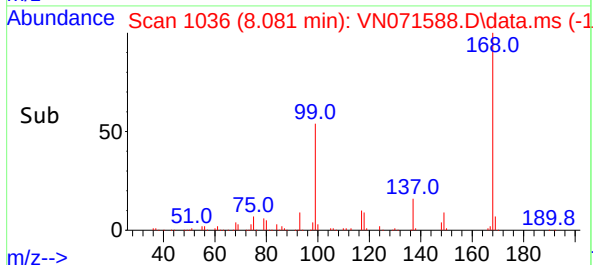
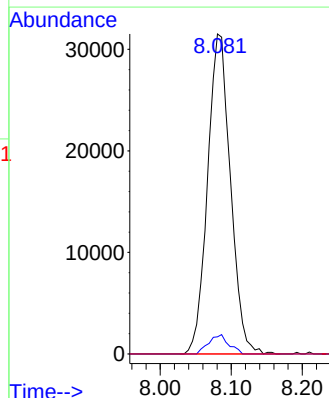
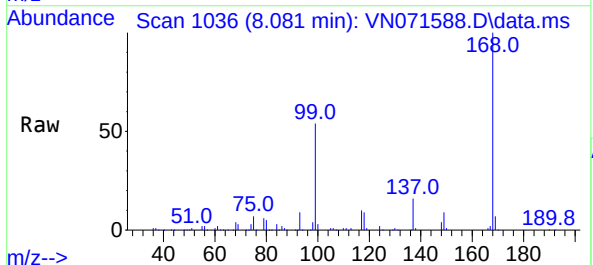
Instrument :
MSVOA_N
ClientSampleId :
MHC

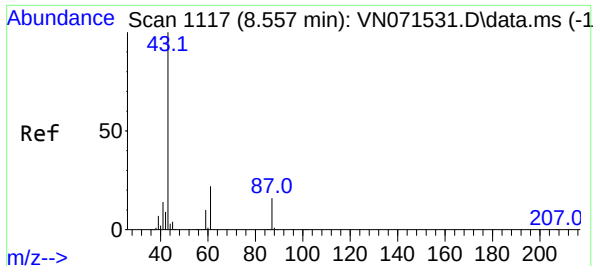
Tgt Ion: 75 Resp: 52584
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 117 Resp: 70679
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#

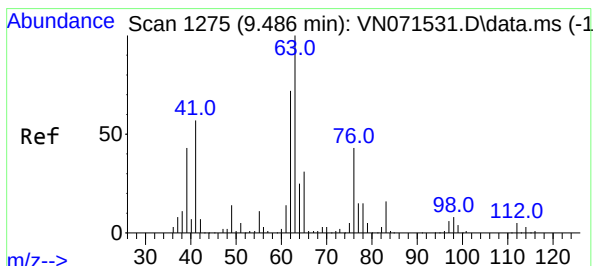
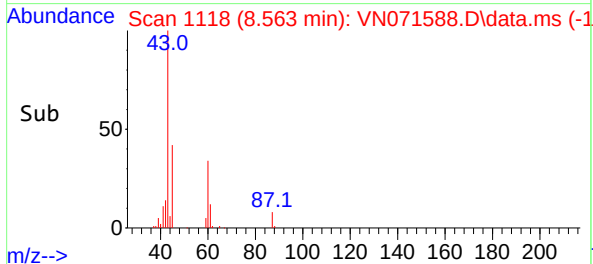
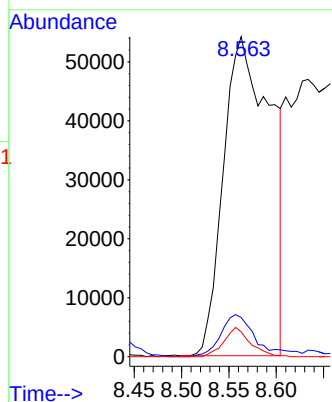
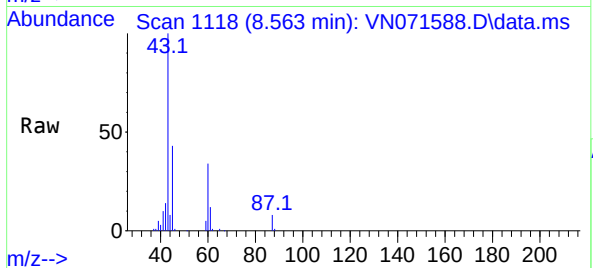




#43
Isopropyl Acetate
Concen: 8.860 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

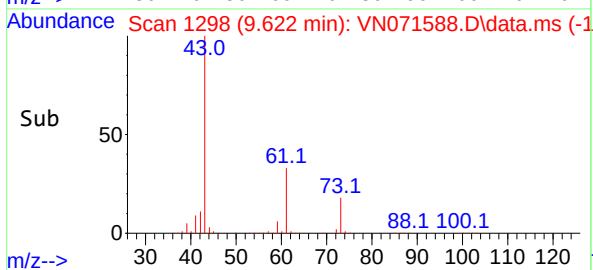
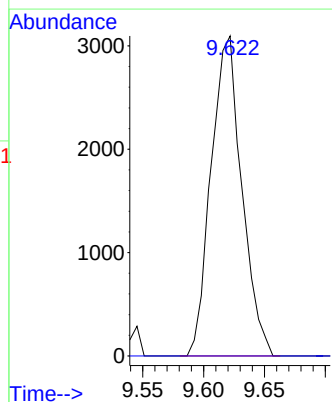
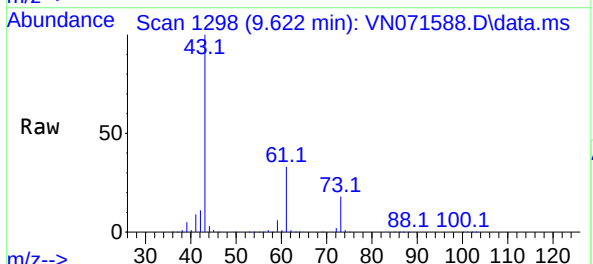
Instrument :
MSVOA_N
ClientSampleId :
MHC

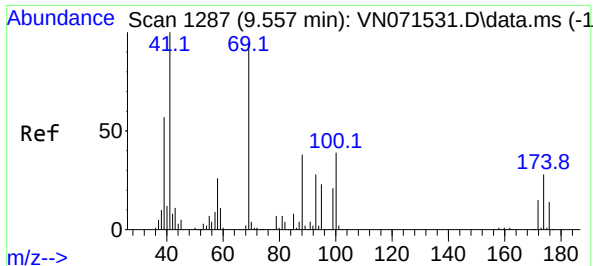
Tgt Ion: 43 Resp: 189200
Ion Ratio Lower Upper
43 100
61 9.8 21.9 32.9#
87 5.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.597 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 63 Resp: 5437
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.953 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

MHC

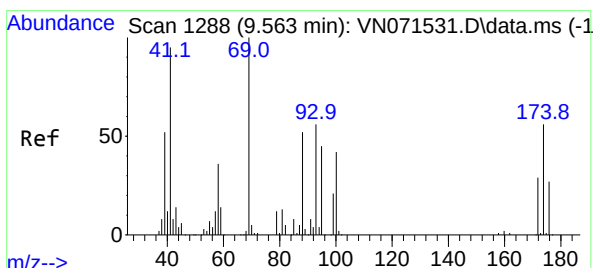
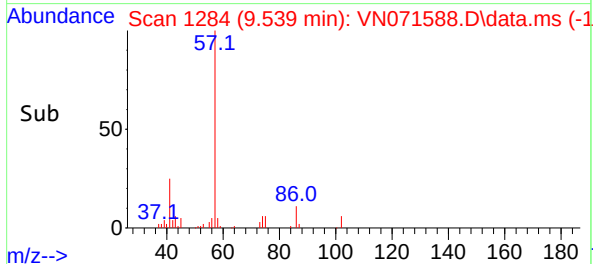
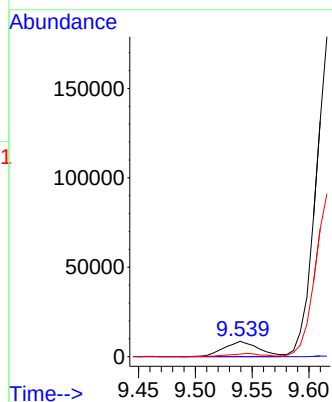
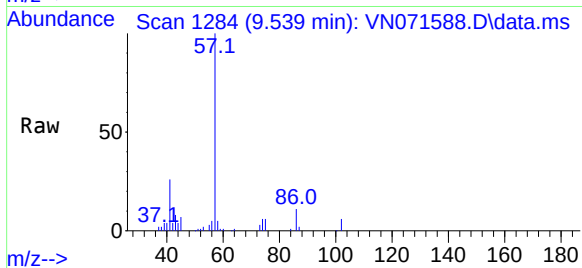
Tgt Ion: 41 Resp: 18146

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: 1.236 ug/l

RT: 9.604 min Scan# 1295

Delta R.T. 0.041 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

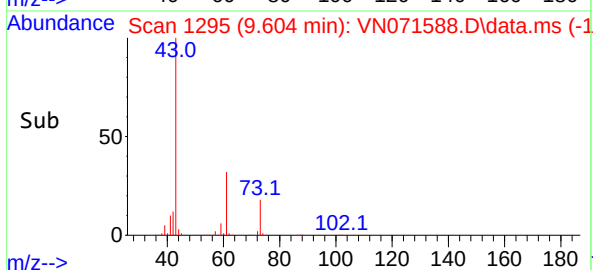
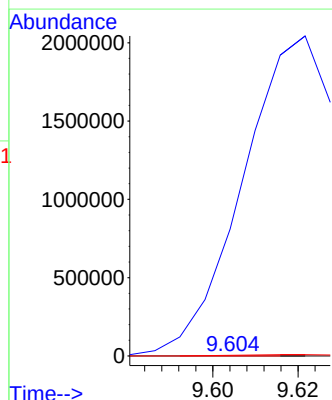
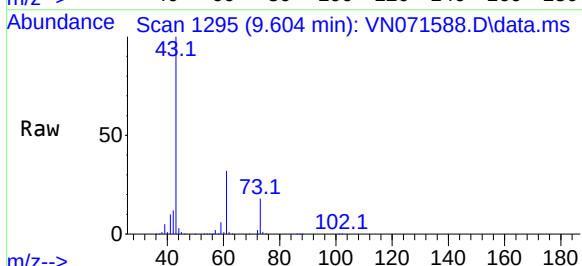
Tgt Ion: 88 Resp: 265

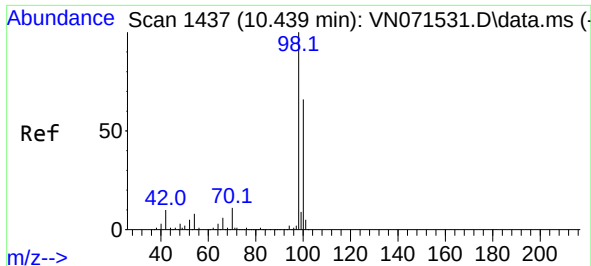
Ion Ratio Lower Upper

88 100

43 1414996.6 20.2 30.4#

58 6150.9 54.2 81.4#

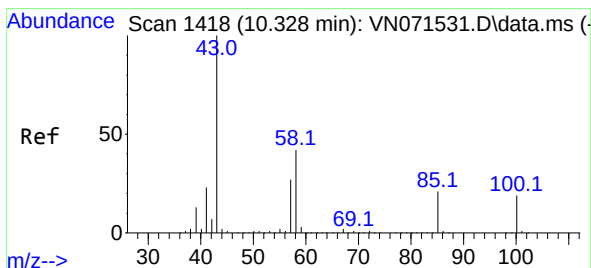
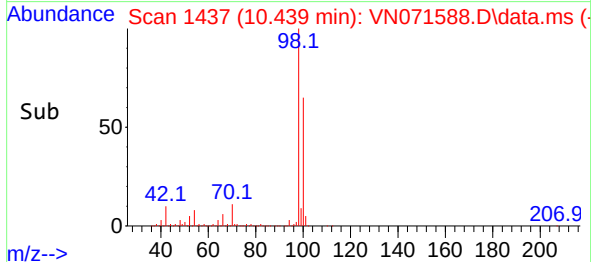
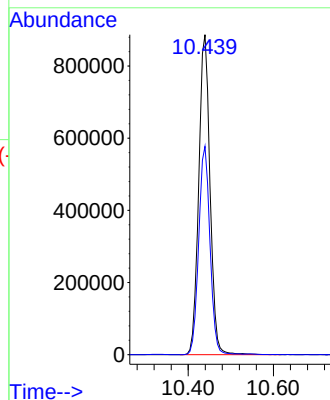
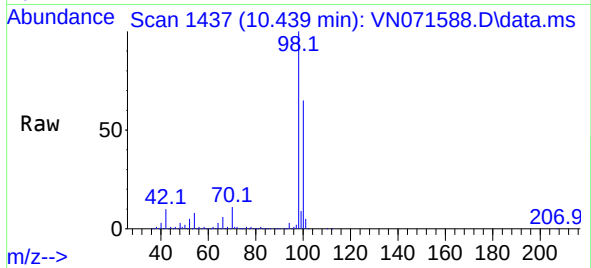




#50
Toluene-d8
Concen: 49.351 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

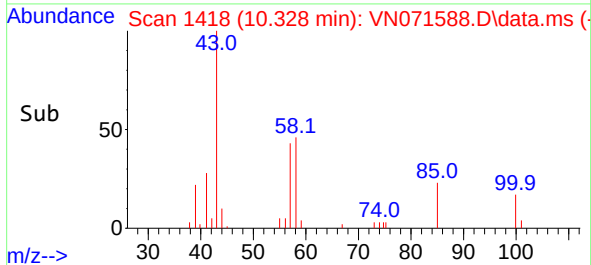
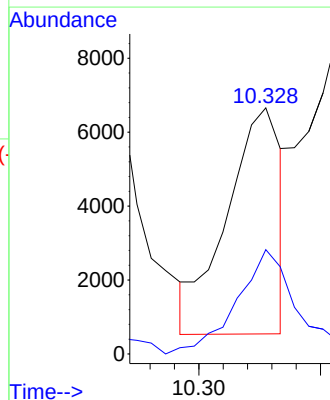
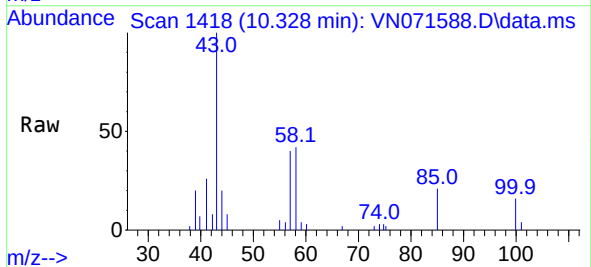
Instrument :
MSVOA_N
ClientSampleId :
MHC

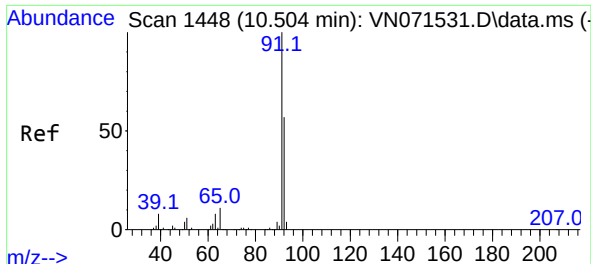
Tgt Ion: 98 Resp: 1630241
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.738 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 43 Resp: 9512
Ion Ratio Lower Upper
43 100
58 52.4 34.1 51.1#

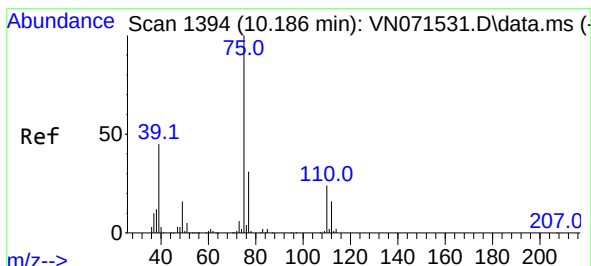
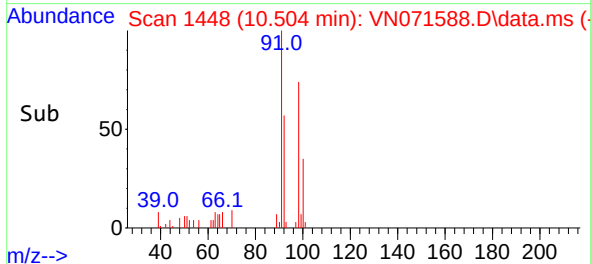
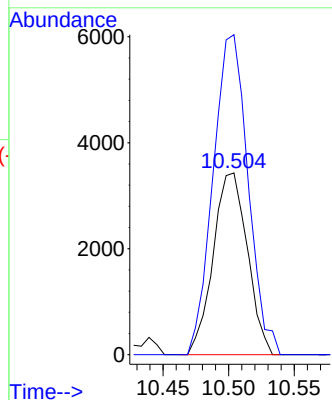
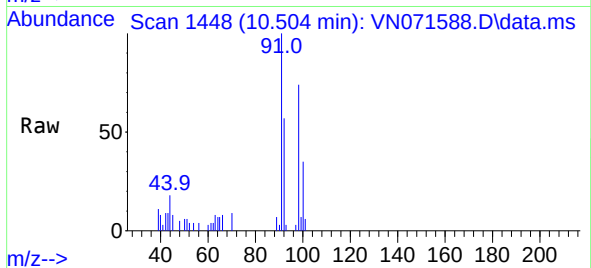




#52
Toluene
Concen: 0.271 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

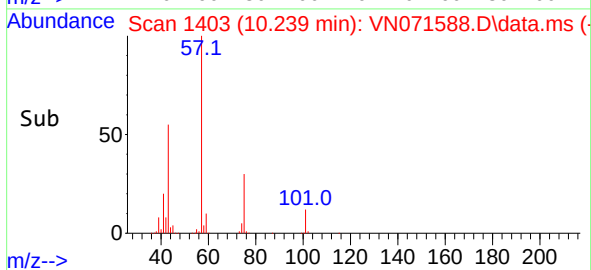
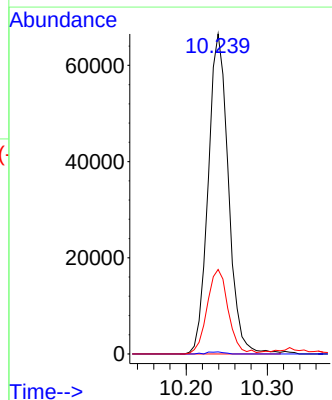
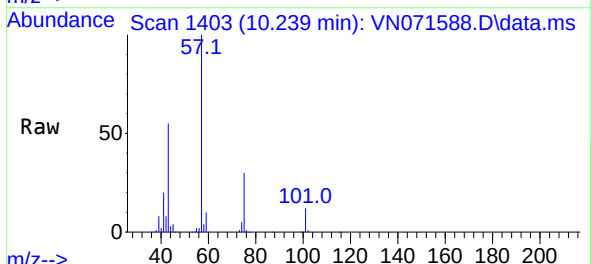
Instrument :
MSVOA_N
ClientSampleId :
MHC

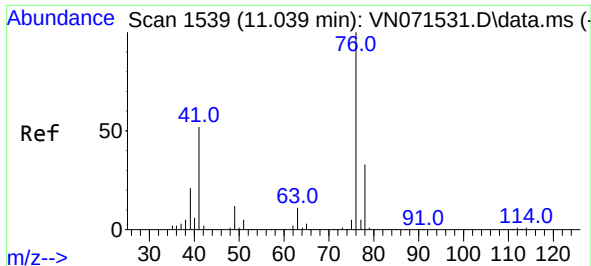
Tgt Ion: 92 Resp: 6226
Ion Ratio Lower Upper
92 100
91 179.6 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 7.986 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 75 Resp: 115020
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 26.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.601 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

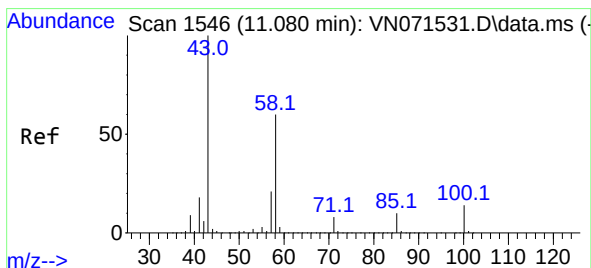
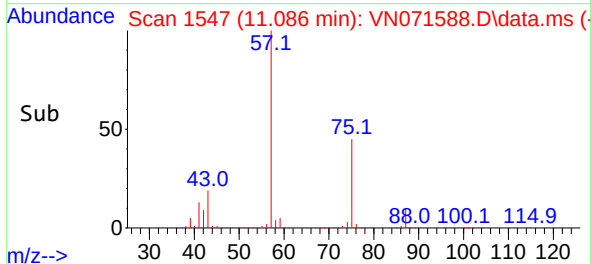
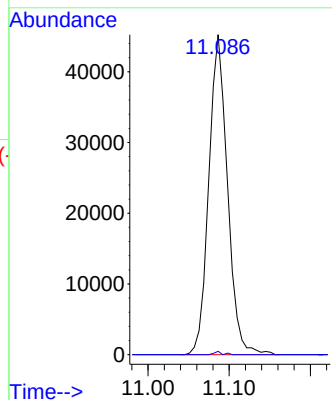
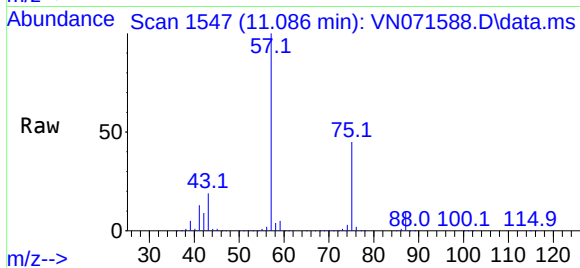
MHC

Tgt Ion: 76 Resp: 72203

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 100.353 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071588.D

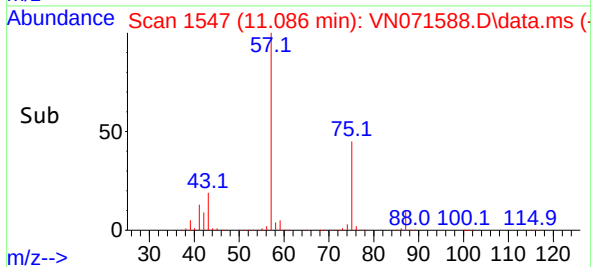
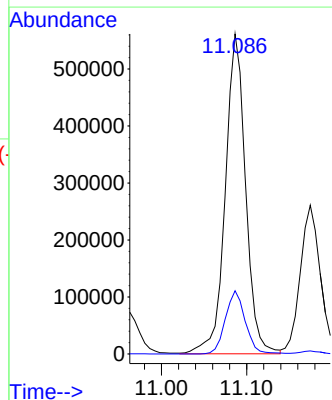
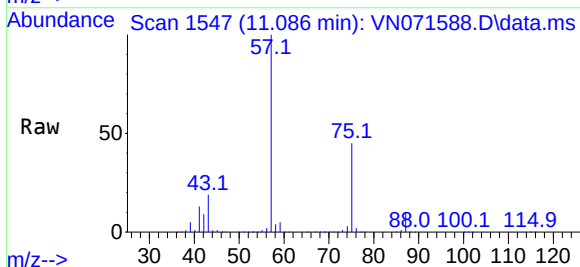
Acq: 26 Mar 2022 21:27

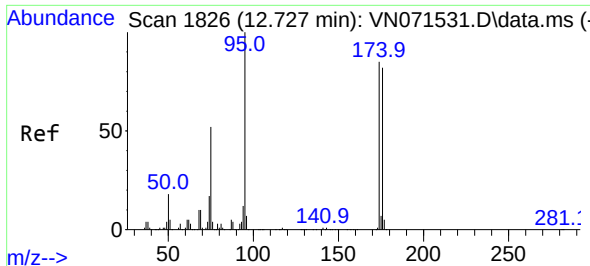
Tgt Ion: 43 Resp: 932211

Ion Ratio Lower Upper

43 100

58 19.4 29.7 89.1#

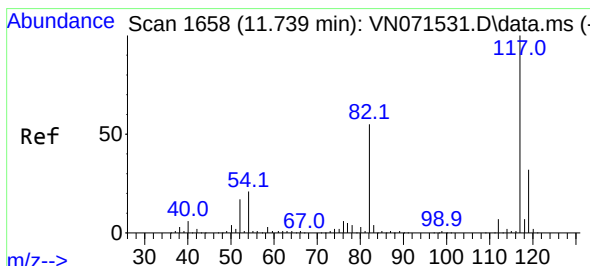
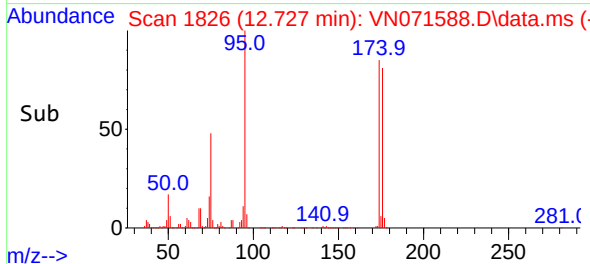
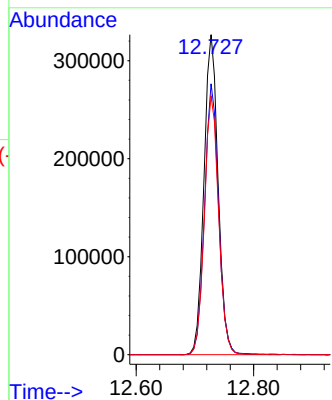
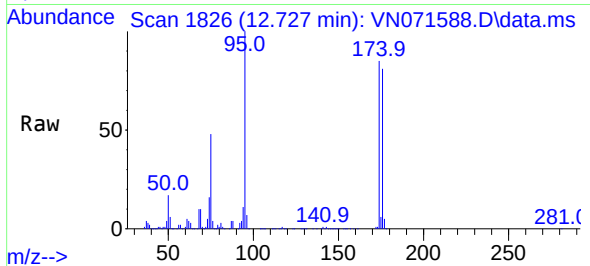




#62
4-Bromofluorobenzene
Concen: 50.621 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

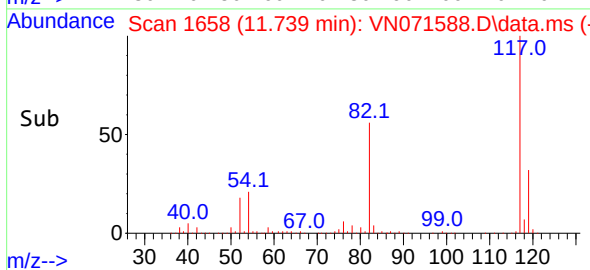
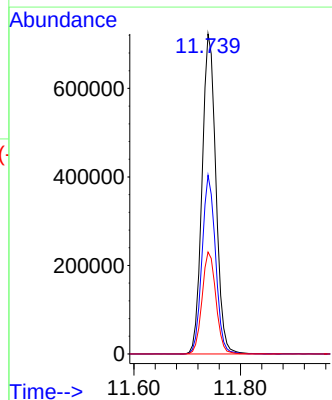
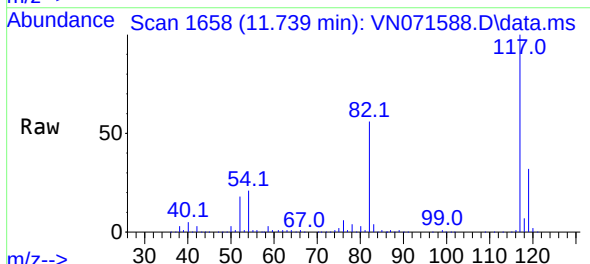
Instrument :
MSVOA_N
ClientSampleId :
MHC

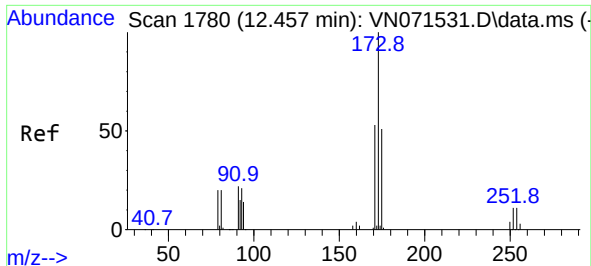
Tgt Ion: 95 Resp: 547913
Ion Ratio Lower Upper
95 100
174 83.9 0.0 167.6
176 81.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 117 Resp: 1300220
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 31.8 25.4 38.0





#71

Bromoform

Concen: 0.380 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.271 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

Instrument :

MSVOA_N

ClientSampleId :

MHC

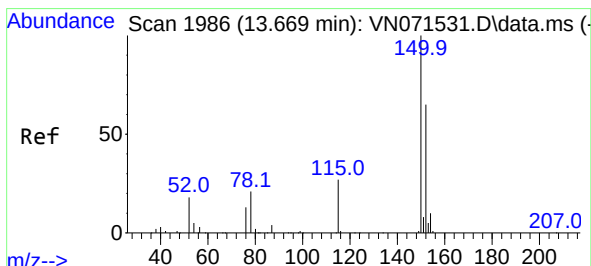
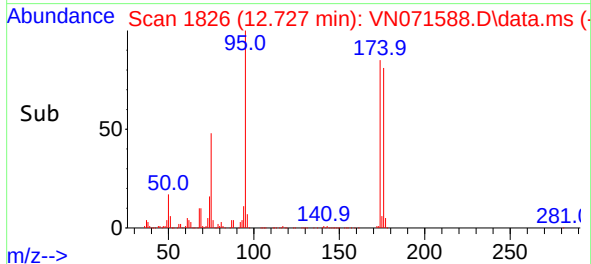
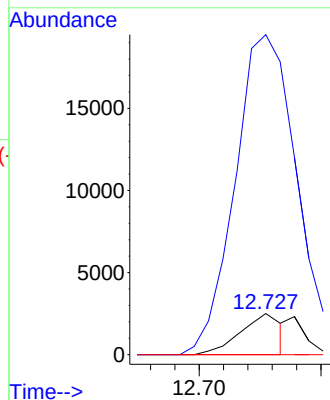
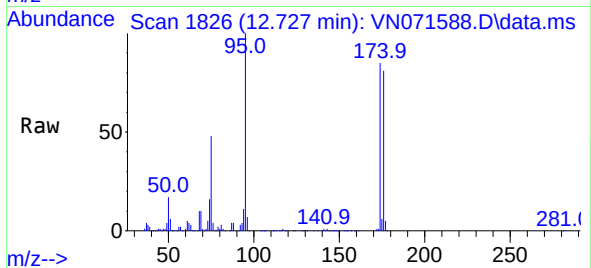
Tgt Ion:173 Resp: 2918

Ion Ratio Lower Upper

173 100

175 914.1 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN071588.D

Acq: 26 Mar 2022 21:27

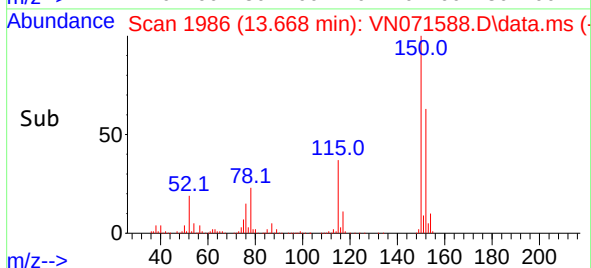
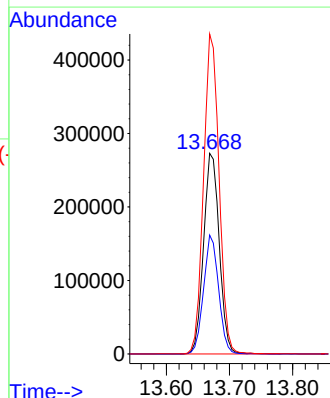
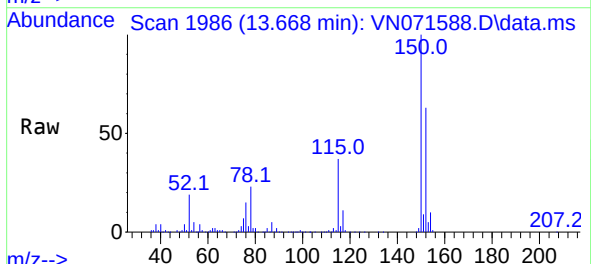
Tgt Ion:152 Resp: 471919

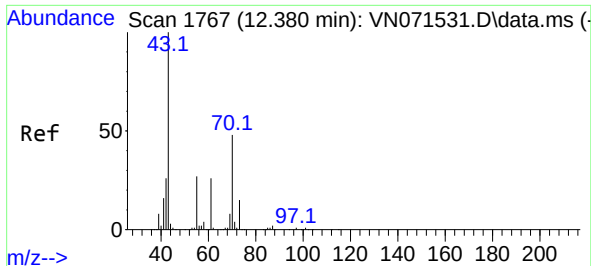
Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

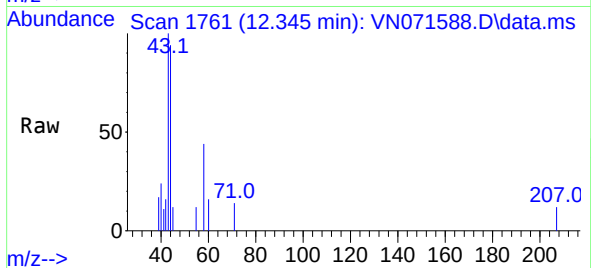
150 157.7 0.0 356.2





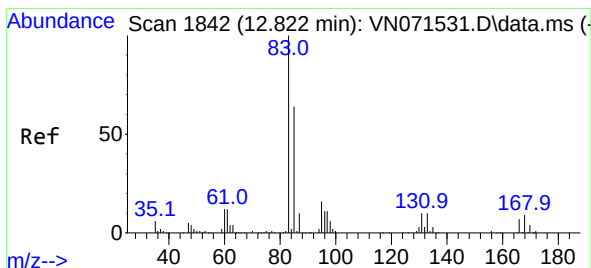
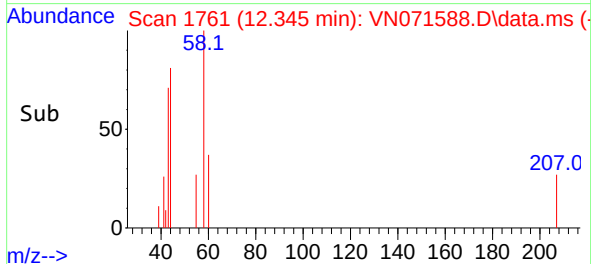
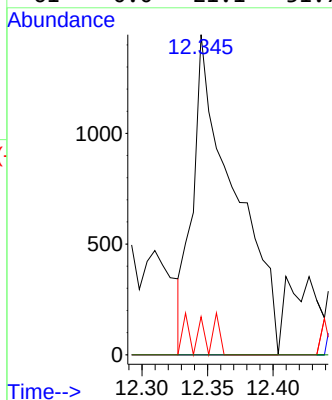
#74
N-amy1 acetate
Concen: 0.236 ug/l
RT: 12.345 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Instrument :
MSVOA_N
ClientSampleId :
MHC



Tgt Ion: 43 Resp: 3160

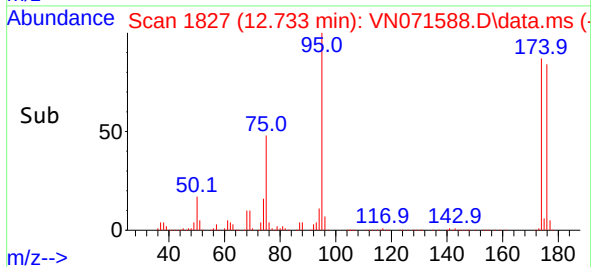
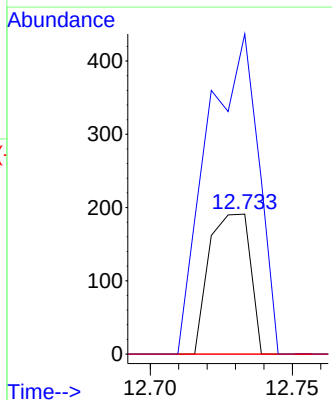
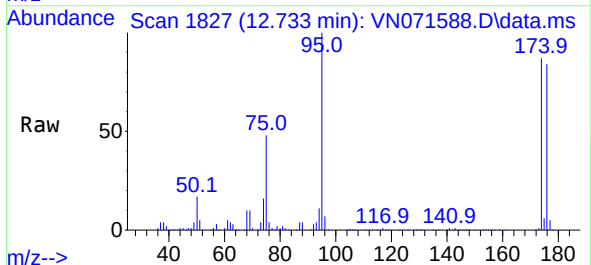
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	4.0	21.1	31.7#
61	0.0	21.1	31.7#

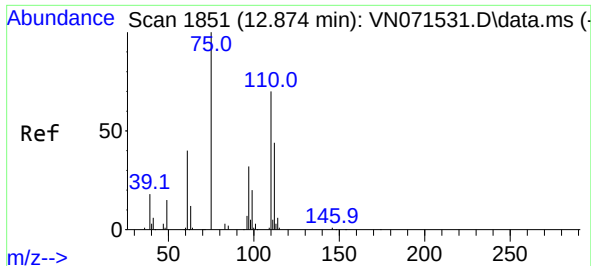


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.089 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Tgt Ion: 83 Resp: 192

Ion	Ratio	Lower	Upper
83	100		
131	284.4	5.3	15.9#
85	0.0	32.3	96.9#

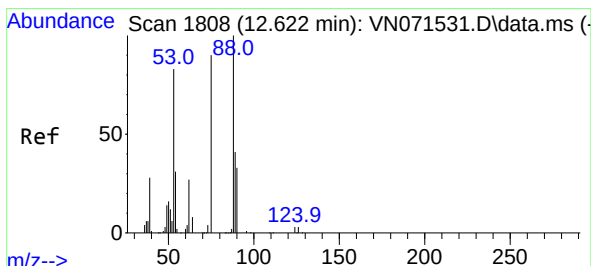
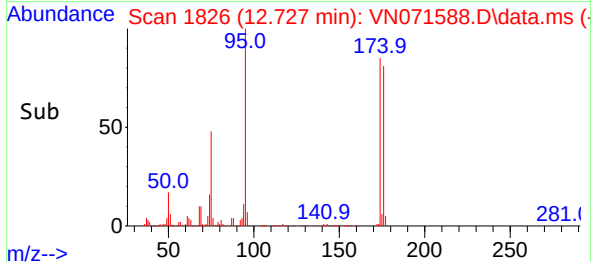
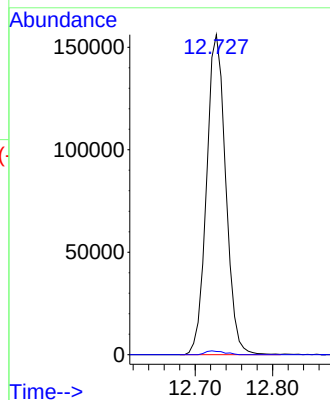
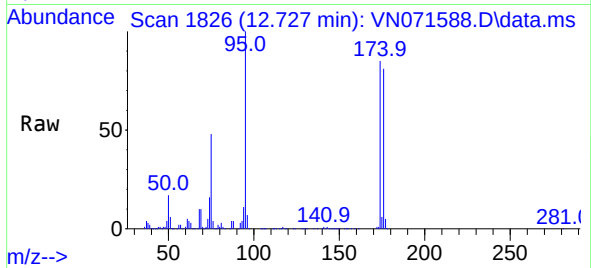




#76
1,2,3-Trichloropropane
Concen: 25.464 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

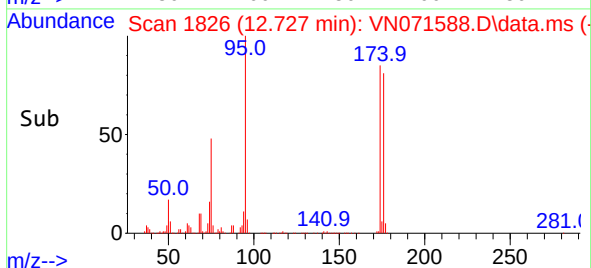
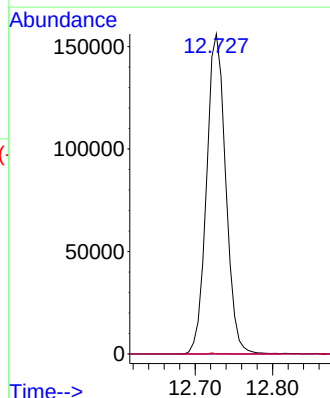
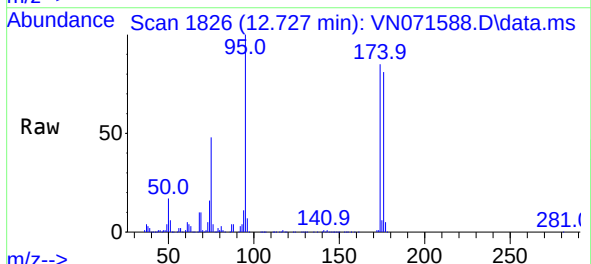
Instrument :
MSVOA_N
ClientSampleId :
MHC

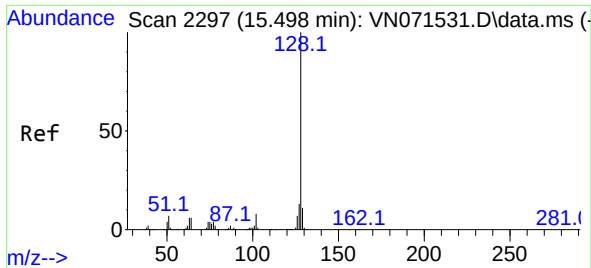
Tgt Ion: 75 Resp: 267960
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.174 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

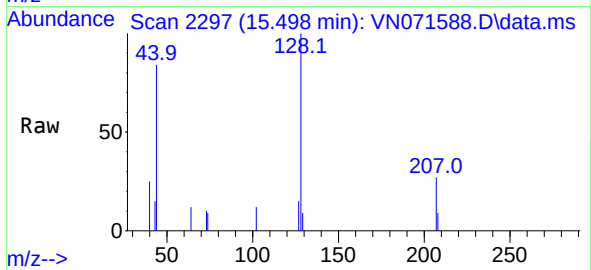
Tgt Ion: 75 Resp: 267960
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#95
Naphthalene
Concen: 3.353 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071588.D
Acq: 26 Mar 2022 21:27

Instrument :
MSVOA_N
ClientSampleId :
MHC



Tgt Ion:128 Resp: 3557
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 4.3 8.6 13.0#

