

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071739.D
 Acq On : 01 Apr 2022 06:05
 Operator : JC\MD
 Sample : N2202-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MHE

Quant Time: Apr 01 07:47:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

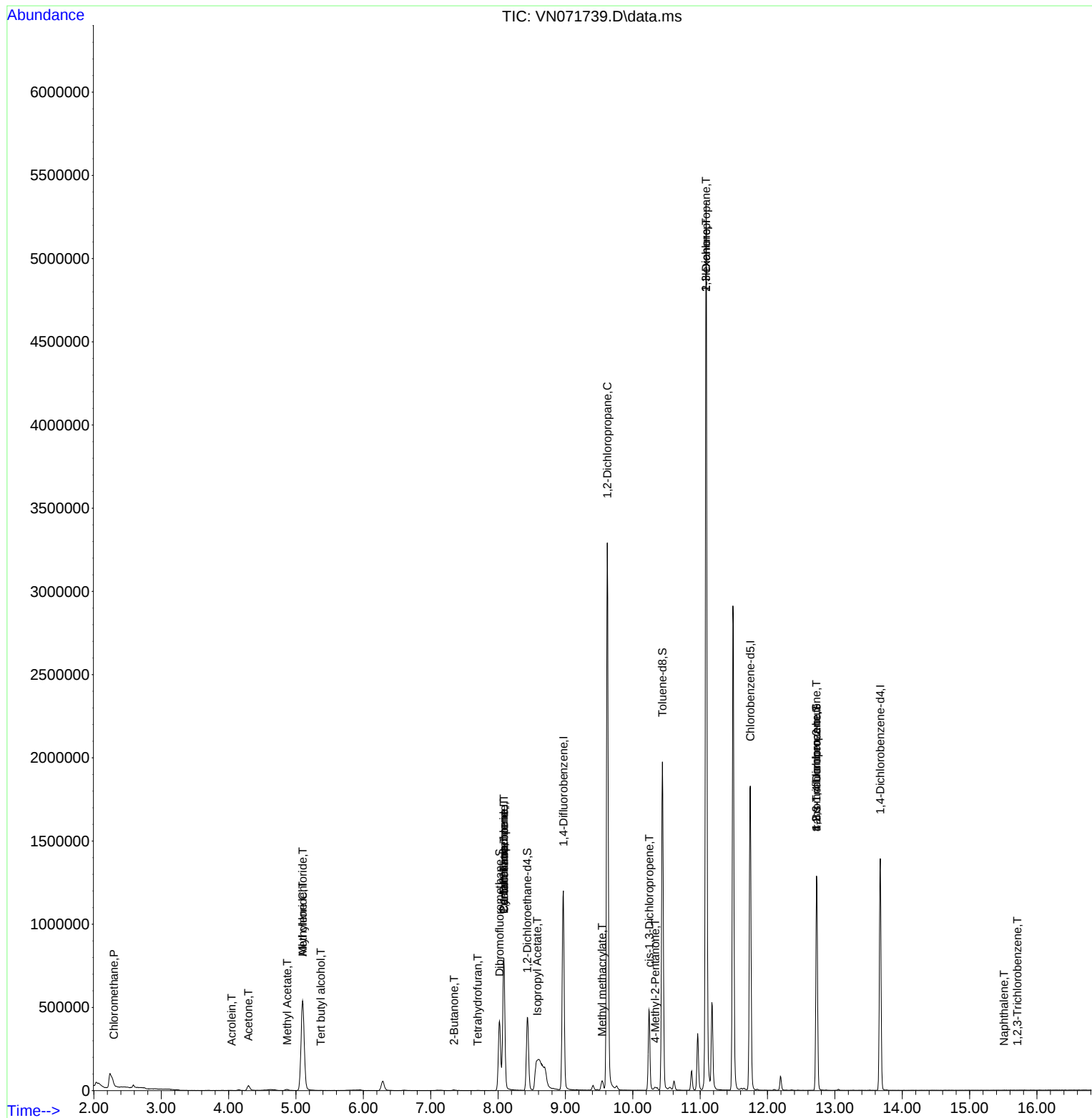
Internal Standards						
1) Pentafluorobenzene	8.086	168	649956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1117004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1147835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	409129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	373735	50.369	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.740%	
35) Dibromofluoromethane	8.022	113	318493	48.455	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.920%	
50) Toluene-d8	10.439	98	1424389	52.974	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.940%	
62) 4-Bromofluorobenzene	12.727	95	465483	53.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2122	0.324	ug/l #	84
11) Tert butyl alcohol	5.369	59	668	0.555	ug/l #	72
13) Acrolein	4.045	56	757	0.516	ug/l #	65
14) Allyl chloride	5.098	41	14059	1.615	ug/l #	24
16) Acetone	4.293	43	53771	16.957	ug/l	97
18) Methyl Acetate	4.869	43	15053	0.416	ug/l	94
20) Methylene Chloride	5.098	84	476254	71.255	ug/l	99
25) 2-Butanone	7.345	43	7700	1.684	ug/l	99
29) Tetrahydrofuran	7.698	42	809	0.273	ug/l #	48
31) Cyclohexane	8.086	56	11408	1.131	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	43841	4.776	ug/l #	48
38) Carbon Tetrachloride	8.086	117	58182	6.468	ug/l #	17
43) Isopropyl Acetate	8.580	43	474393	28.389	ug/l #	53
45) 1,2-Dichloropropane	9.622	63	4911	0.678	ug/l #	44
48) Methyl methacrylate	9.545	41	14917	2.152	ug/l #	10
49) 1,4-Dioxane	9.616	88	619	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	10363	1.079	ug/l	93
54) cis-1,3-Dichloropropene	10.245	75	96084	8.570	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	61978	4.914	ug/l #	43
59) 2-Hexanone	11.086	43	771333	114.031	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	226460	23.894	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	226460	74.046	ug/l #	11
95) Naphthalene	15.509	128	794	3.842	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.709	180	67	2.424	ug/l #	12

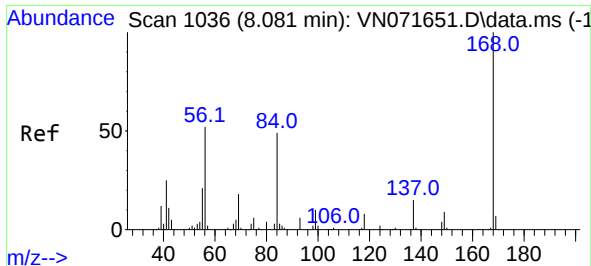
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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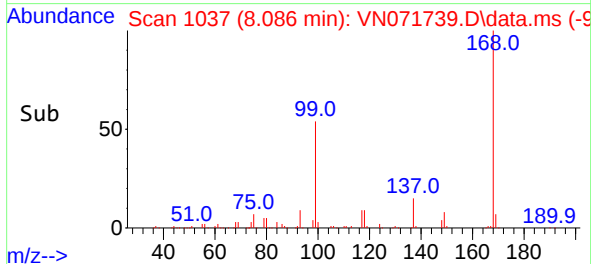
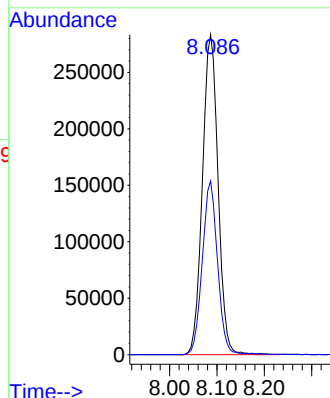
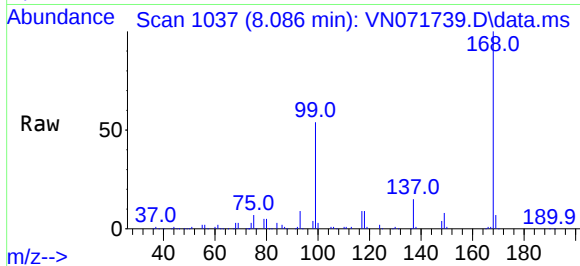




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

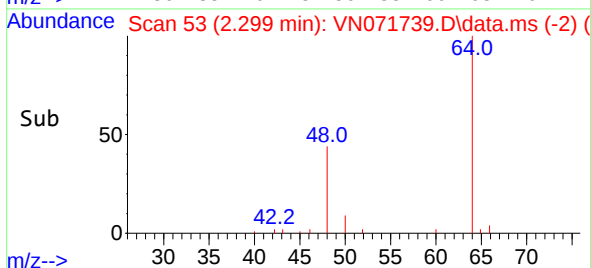
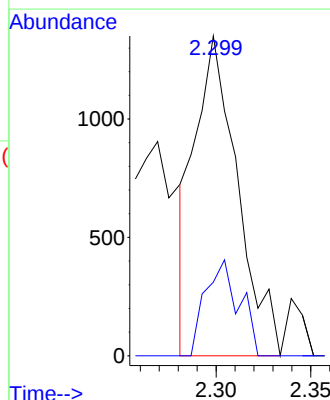
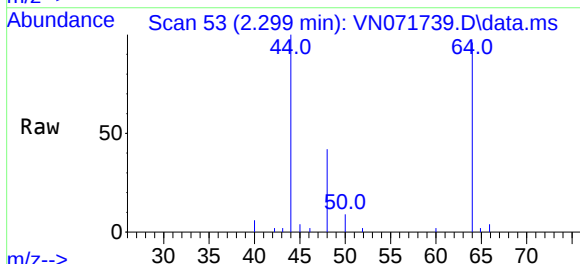
Instrument :
MSVOA_N
ClientSampleId :
MHE

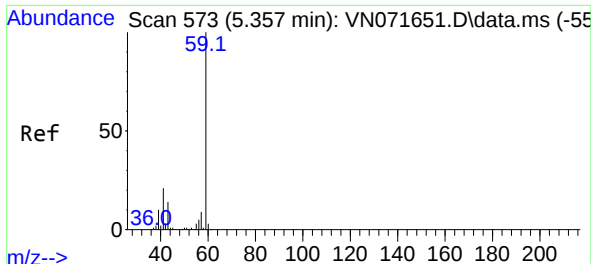
Tgt Ion:168 Resp: 649956
Ion Ratio Lower Upper
168 100
99 54.3 42.3 63.5



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 50 Resp: 2122
Ion Ratio Lower Upper
50 100
52 23.0 25.7 38.5#

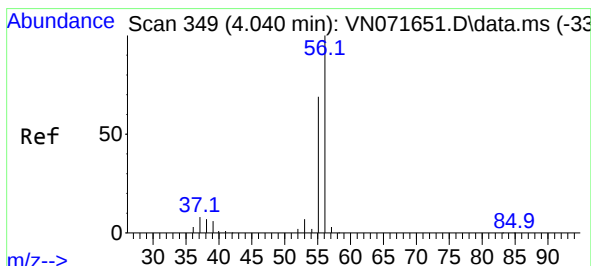
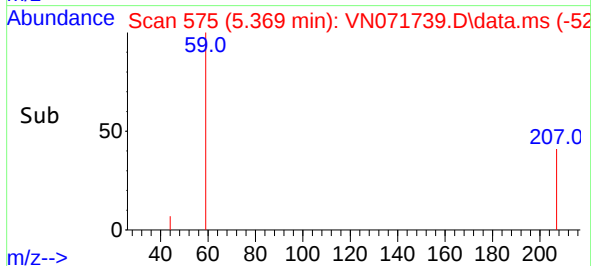
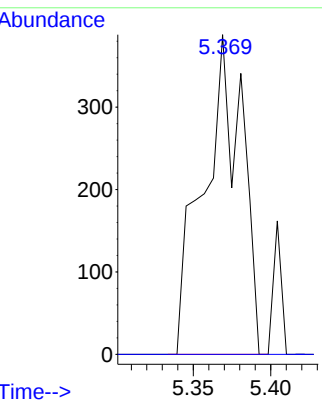
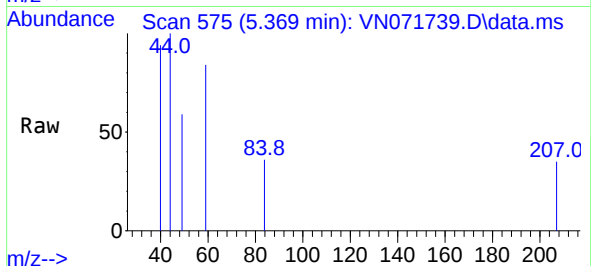




#11
Tert butyl alcohol
Concen: 0.555 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

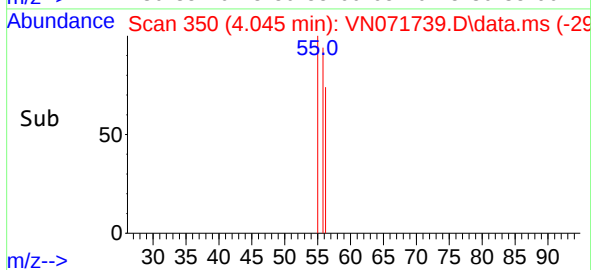
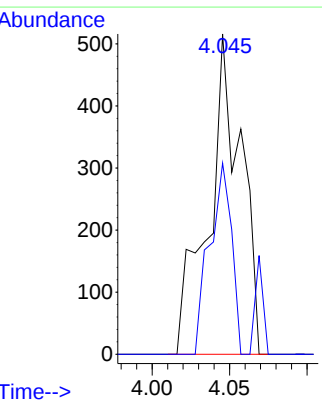
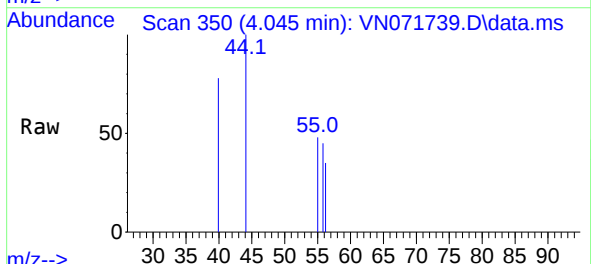
Instrument :
MSVOA_N
ClientSampleId :
MHE

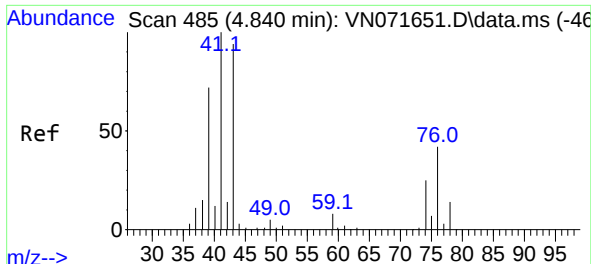
Tgt Ion: 59 Resp: 668
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.516 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.005 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
55 40.0 54.8 82.2#

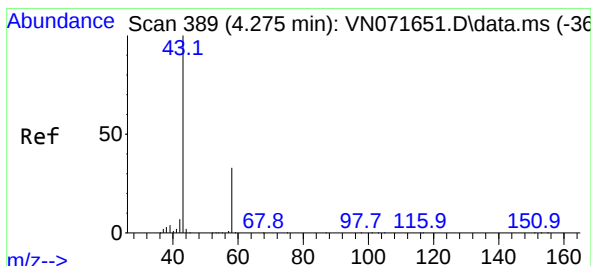
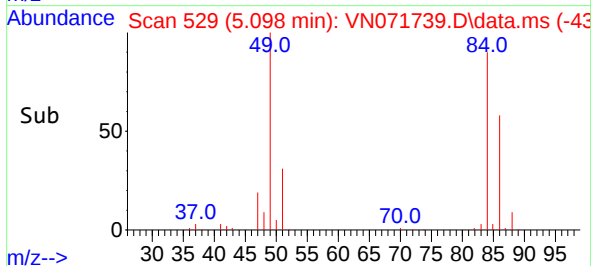
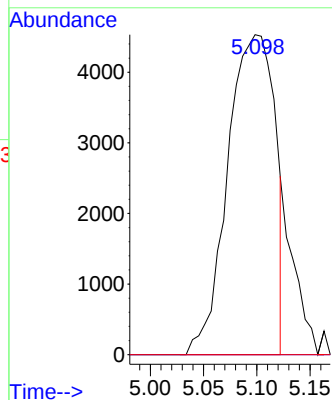
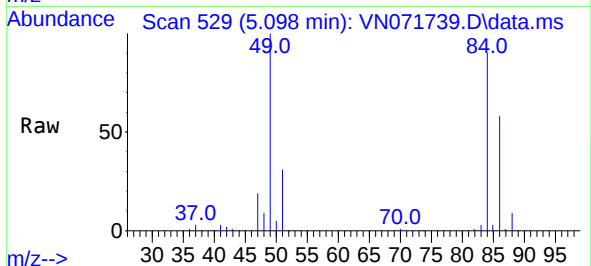




#14
 Allyl chloride
 Concen: 1.615 ug/l
 RT: 5.098 min Scan# 51
 Delta R.T. 0.258 min
 Lab File: VN071739.D
 Acq: 01 Apr 2022 06:05

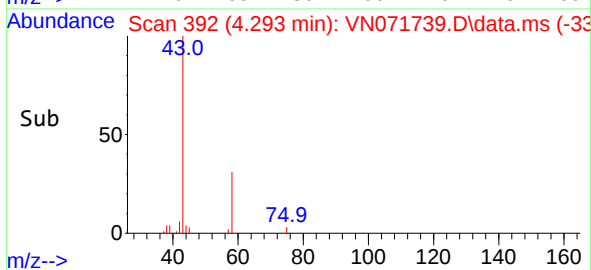
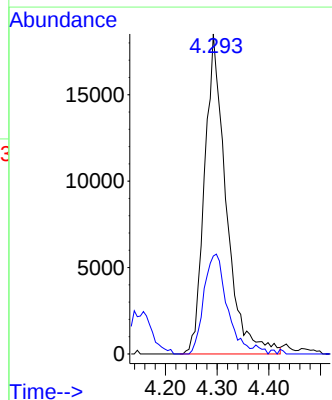
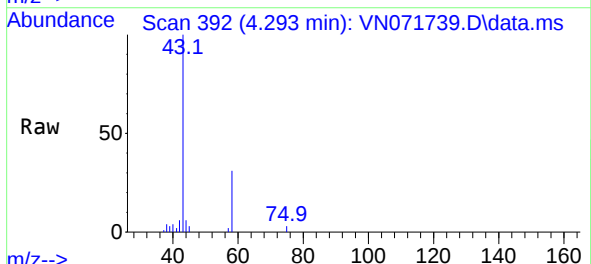
Instrument :
 MSVOA_N
 ClientSampleId :
 MHE

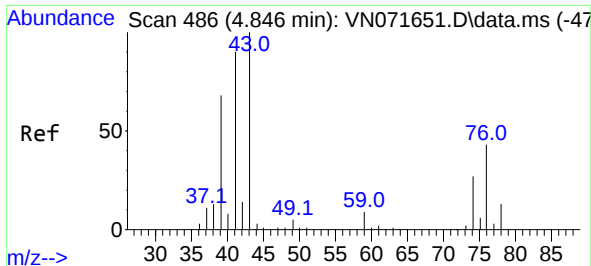
Tgt Ion: 41 Resp: 14059
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 16.957 ug/l
 RT: 4.293 min Scan# 392
 Delta R.T. 0.018 min
 Lab File: VN071739.D
 Acq: 01 Apr 2022 06:05

Tgt Ion: 43 Resp: 53771
 Ion Ratio Lower Upper
 43 100
 58 30.6 26.0 39.0

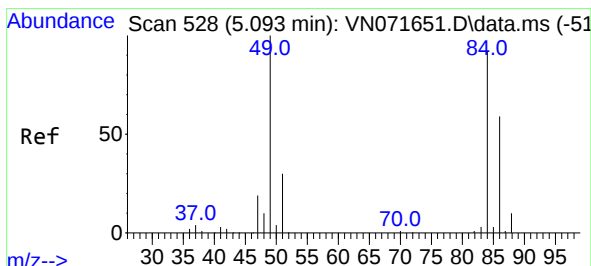
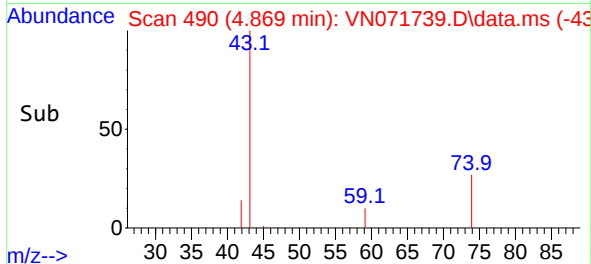
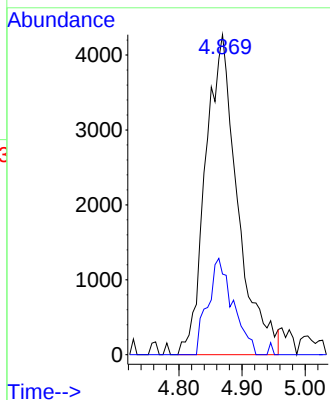
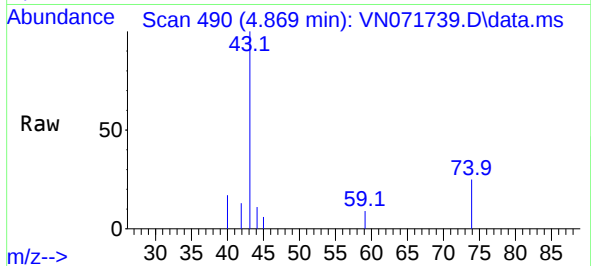




#18
Methyl Acetate
Concen: 0.416 ug/l
RT: 4.869 min Scan# 49
Delta R.T. 0.023 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

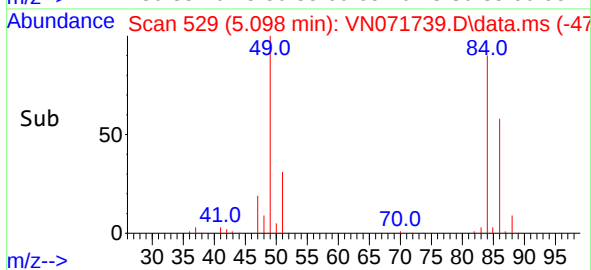
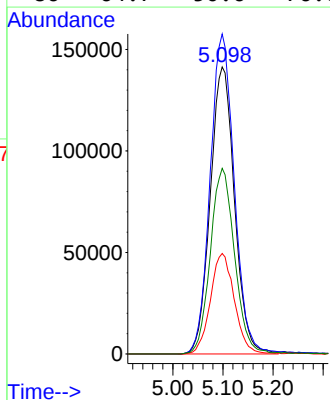
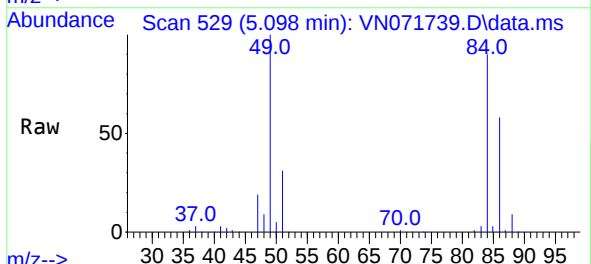
Instrument :
MSVOA_N
ClientSampleId :
MHE

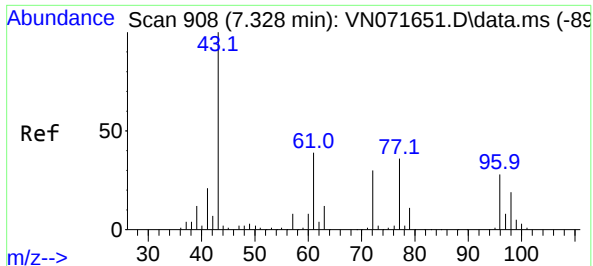
Tgt Ion: 43 Resp: 15053
Ion Ratio Lower Upper
43 100
74 23.7 21.6 32.4



#20
Methylene Chloride
Concen: 71.255 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 84 Resp: 476254
Ion Ratio Lower Upper
84 100
49 111.5 88.3 132.5
51 35.0 28.2 42.2
86 64.7 50.6 76.0





#25

2-Butanone

Concen: 1.684 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

Instrument :

MSVOA_N

ClientSampleId :

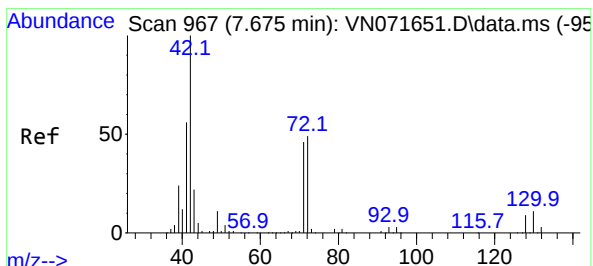
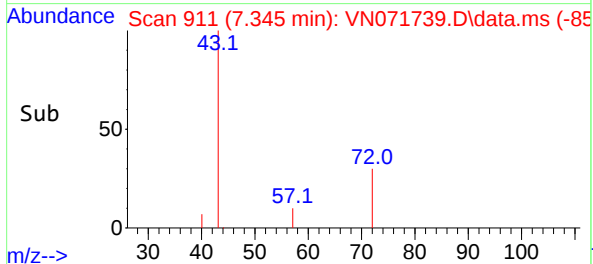
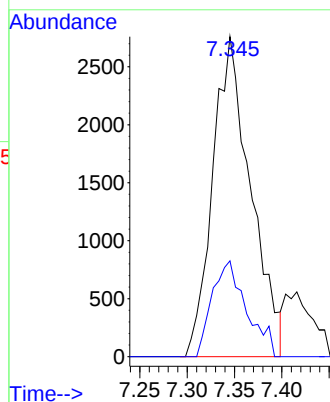
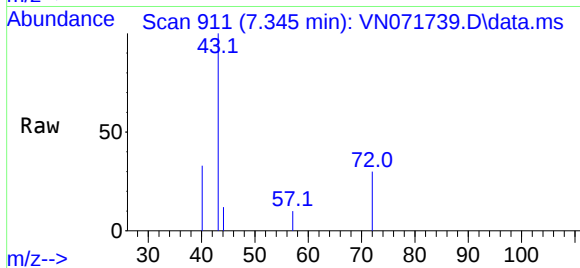
MHE

Tgt Ion: 43 Resp: 7700

Ion Ratio Lower Upper

43 100

72 30.0 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

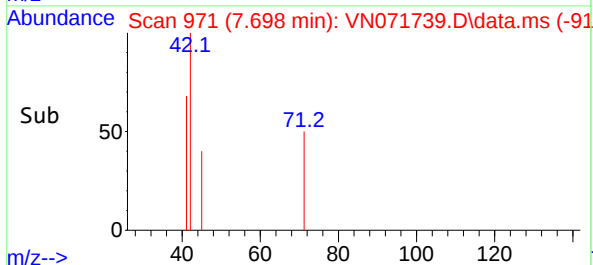
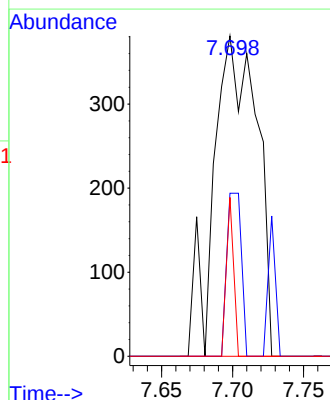
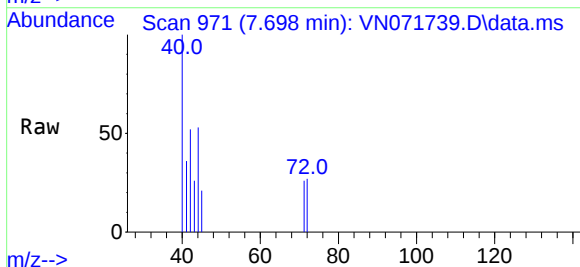
Tgt Ion: 42 Resp: 809

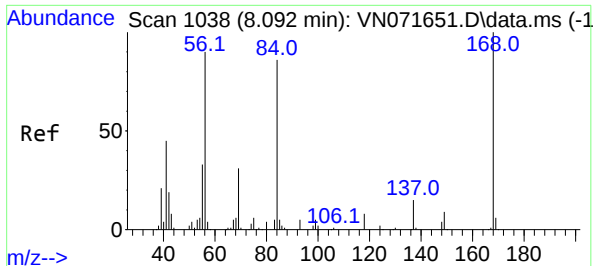
Ion Ratio Lower Upper

42 100

72 16.9 39.7 59.5#

71 8.3 36.6 55.0#





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

Instrument :

MSVOA_N

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MHE

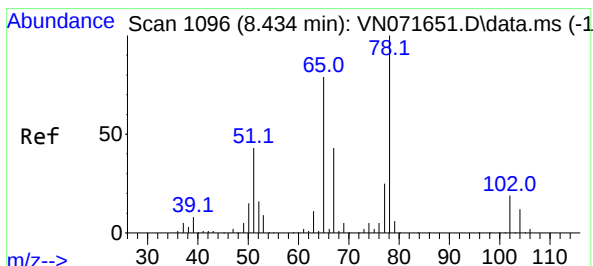
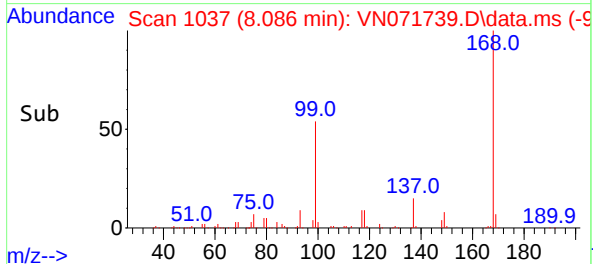
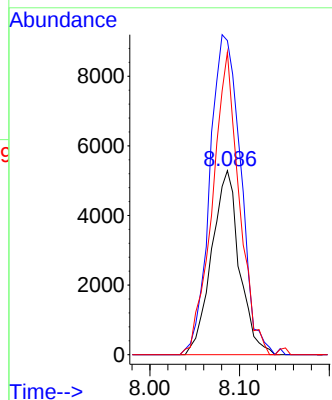
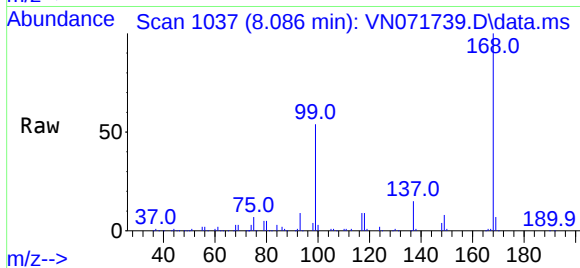
Tgt Ion: 56 Resp: 11408

Ion Ratio Lower Upper

56 100

69 170.7 27.8 41.8#

84 164.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.369 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071739.D

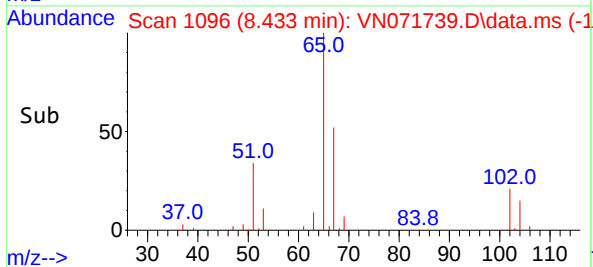
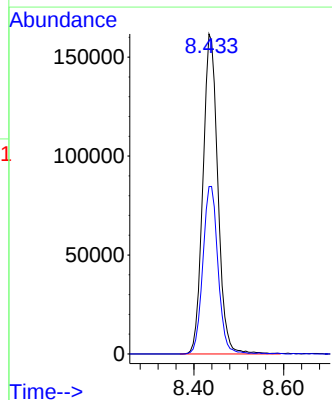
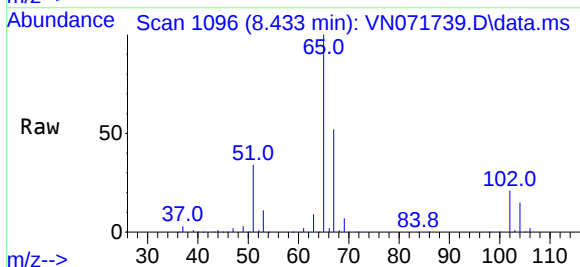
Acq: 01 Apr 2022 06:05

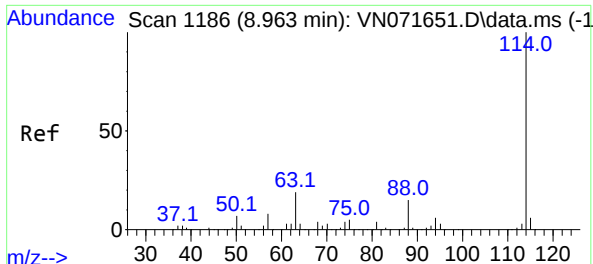
Tgt Ion: 65 Resp: 373735

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8

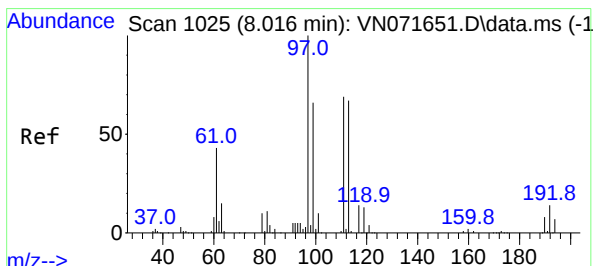
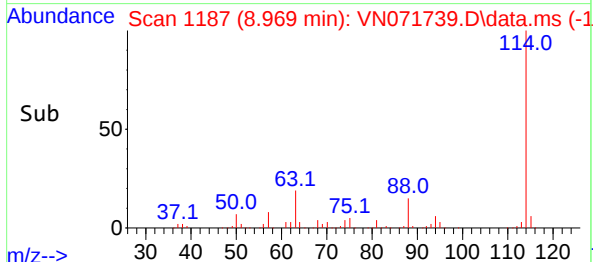
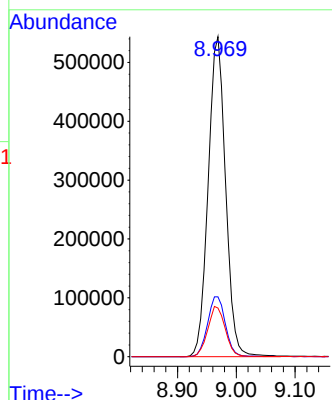
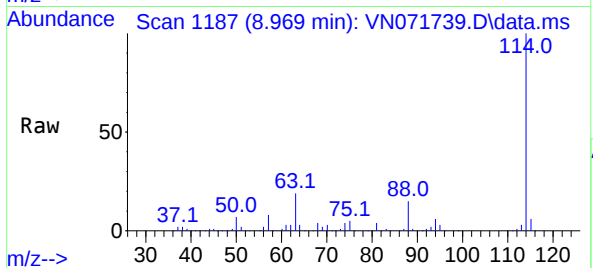




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

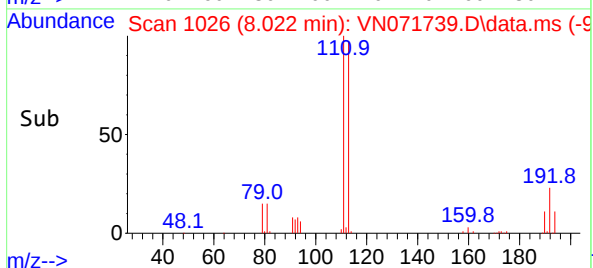
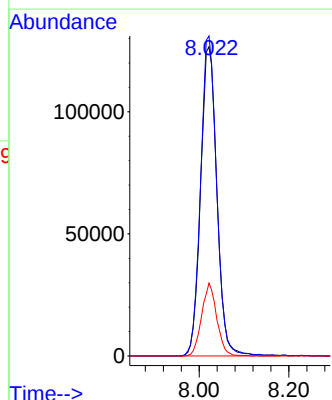
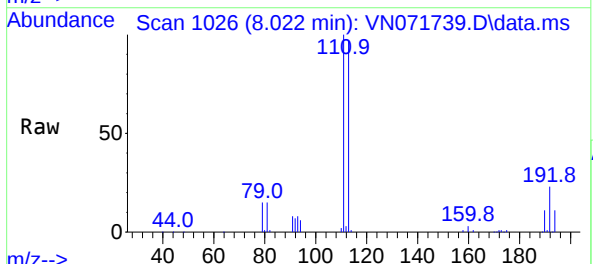
Instrument :
MSVOA_N
ClientSampleId :
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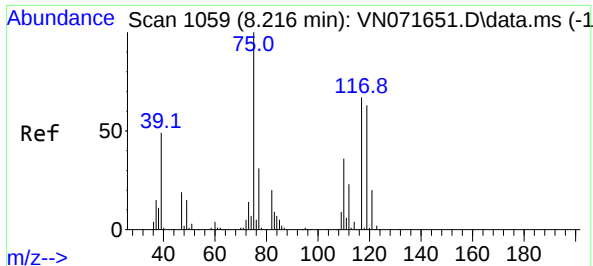
Tgt Ion:114 Resp: 1117004
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.455 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion:113 Resp: 318493
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

Instrument :

MSVOA_N

ClientSampleId :

MHE

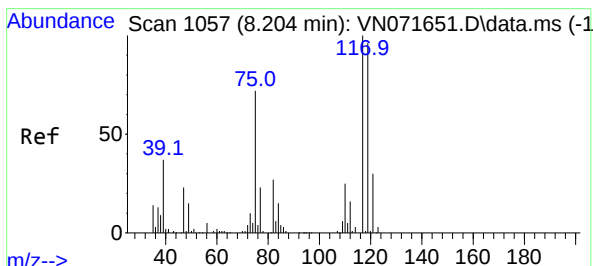
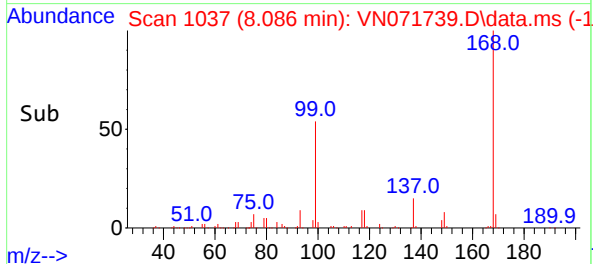
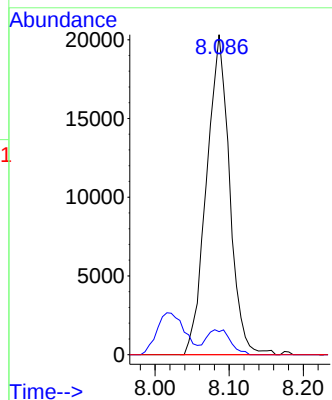
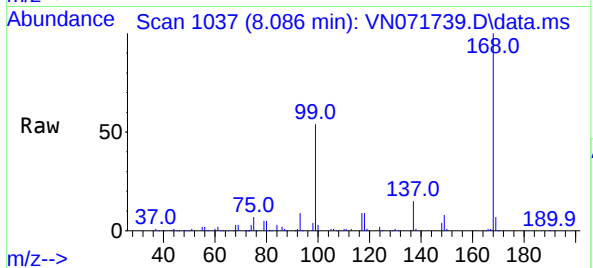
Tgt Ion: 75 Resp: 43841

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.468 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

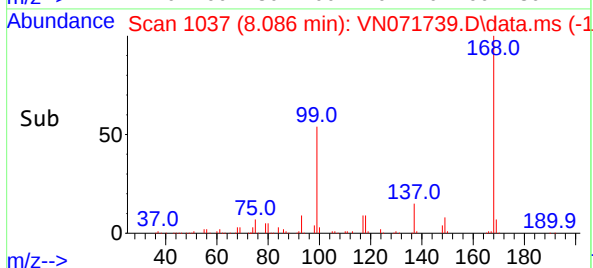
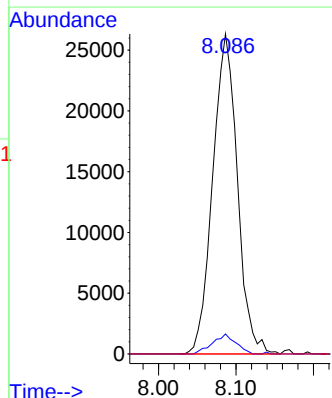
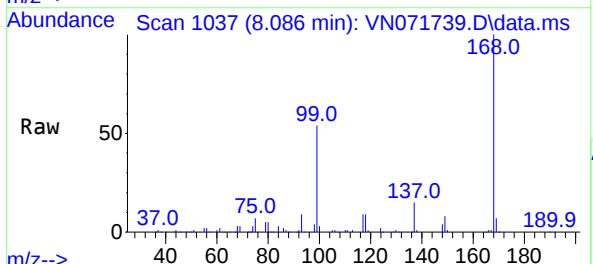
Tgt Ion: 117 Resp: 58182

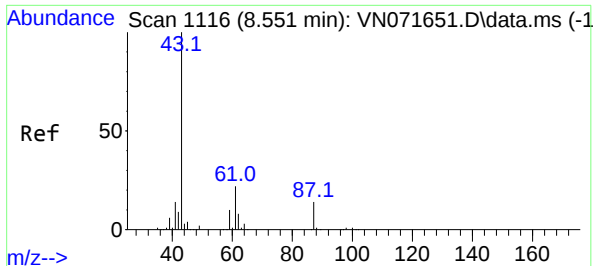
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

121 0.0 24.6 37.0#

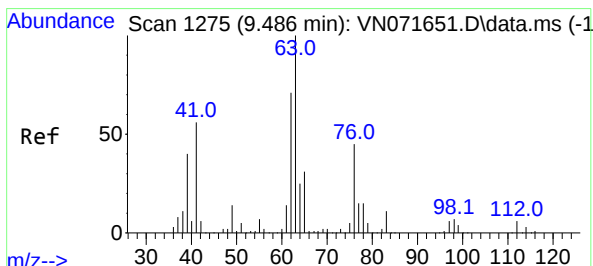
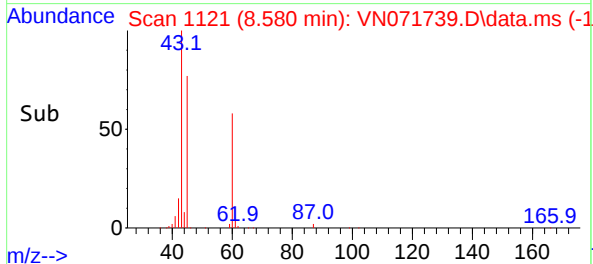
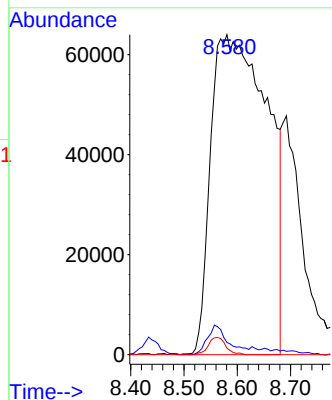
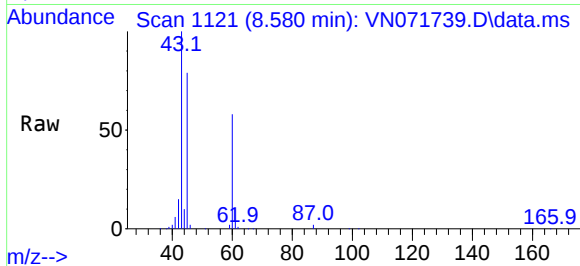




#43
Isopropyl Acetate
Concen: 28.389 ug/l
RT: 8.580 min Scan# 1116
Delta R.T. 0.029 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

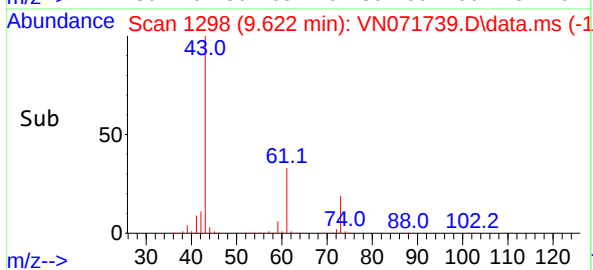
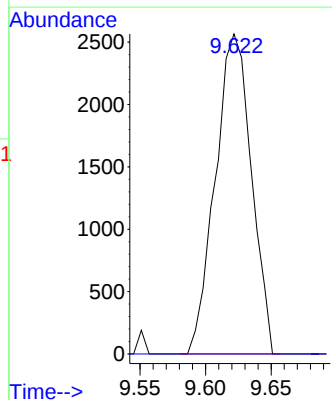
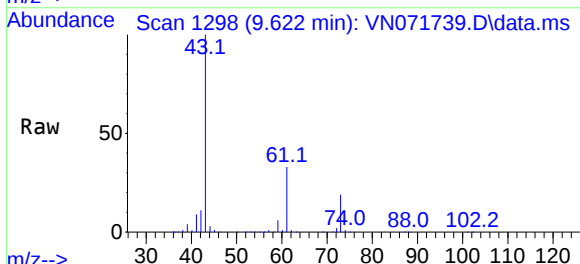
Instrument :
MSVOA_N
ClientSampleId :
MHE

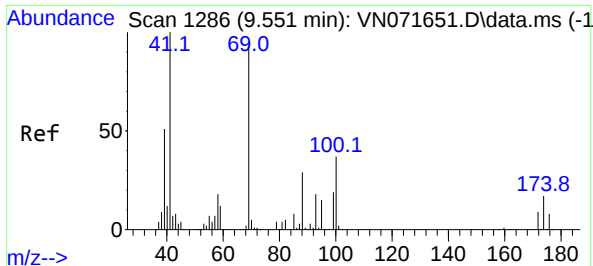
Tgt Ion: 43 Resp: 474393
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.678 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 63 Resp: 4911
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.152 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

Instrument :

MSVOA_N

ClientSampleId :

MHE

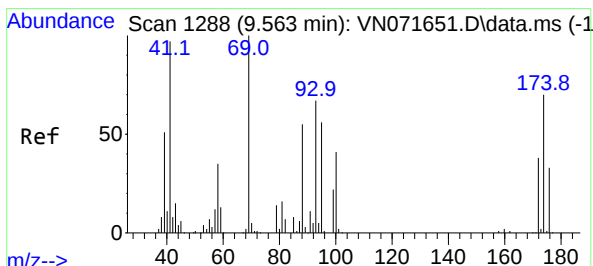
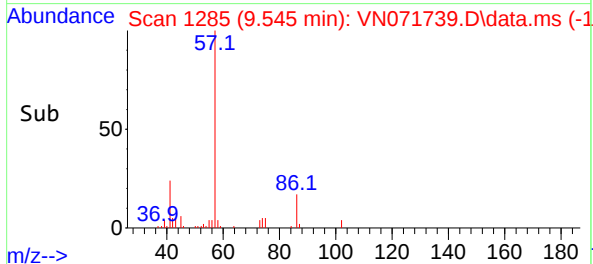
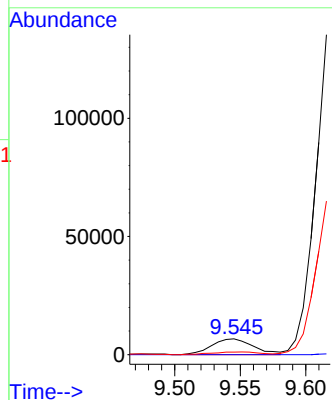
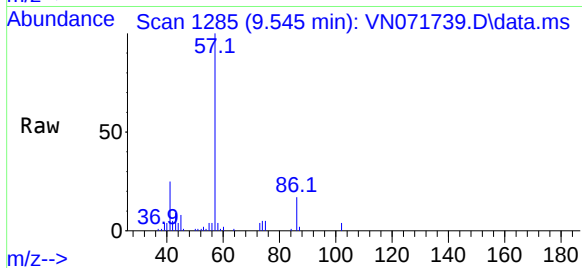
Tgt Ion: 41 Resp: 14917

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: Below Cal

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071739.D

Acq: 01 Apr 2022 06:05

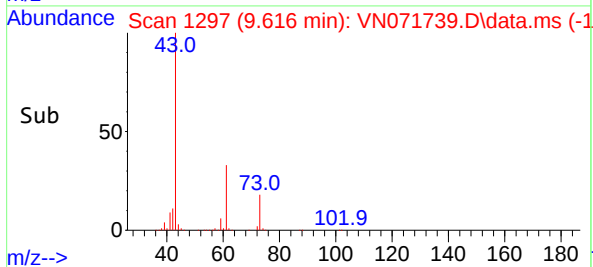
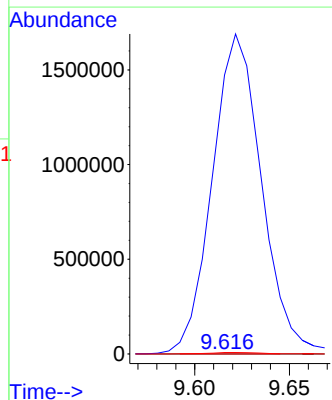
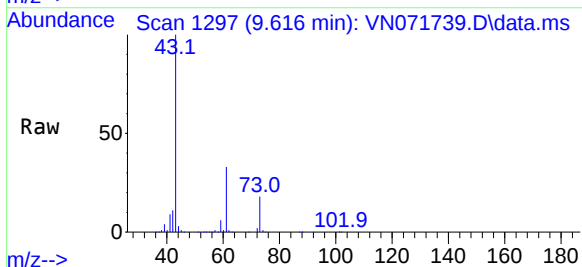
Tgt Ion: 88 Resp: 619

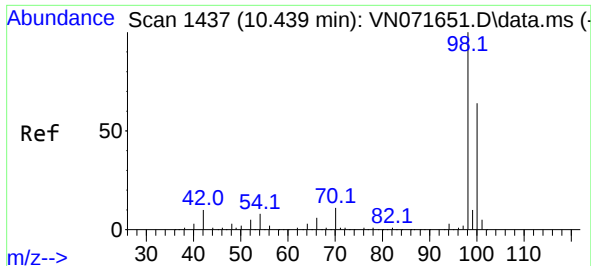
Ion Ratio Lower Upper

88 100

43 502822.8 20.2 30.4#

58 2537.6 54.2 81.4#

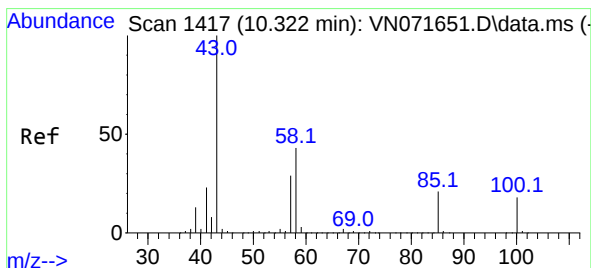
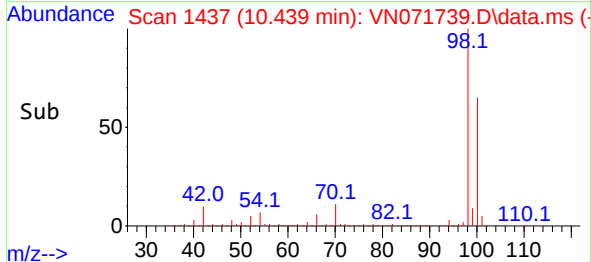
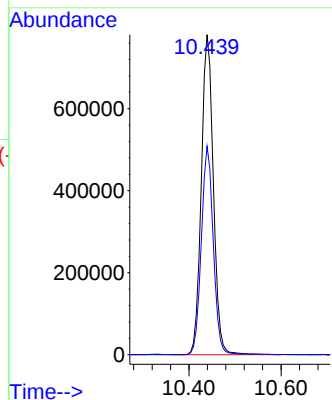
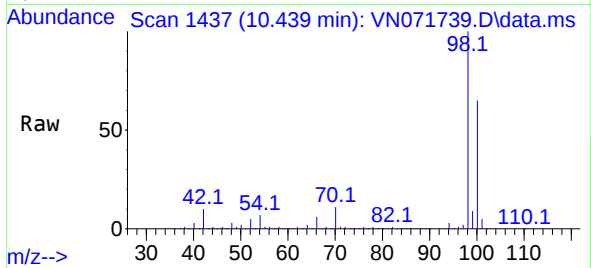




#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

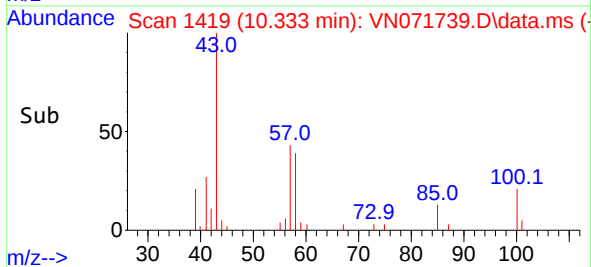
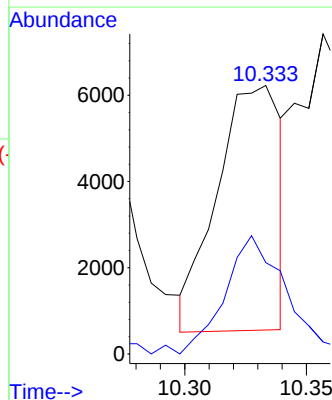
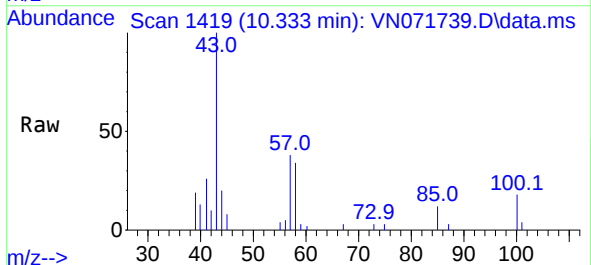
Instrument :
MSVOA_N
ClientSampleId :
MHE

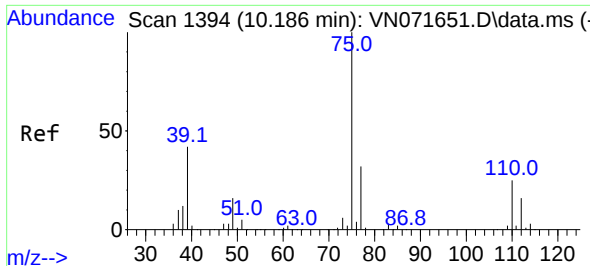
Tgt Ion: 98 Resp: 1424389
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.079 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 43 Resp: 10363
Ion Ratio Lower Upper
43 100
58 46.8 34.1 51.1

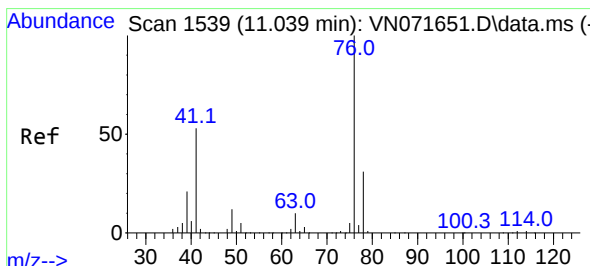
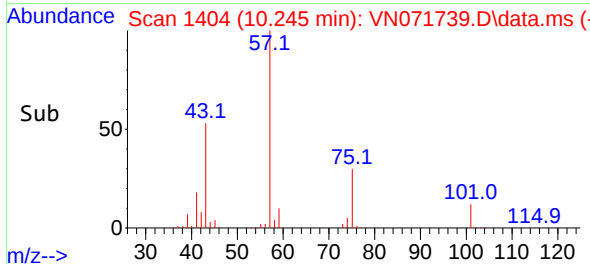
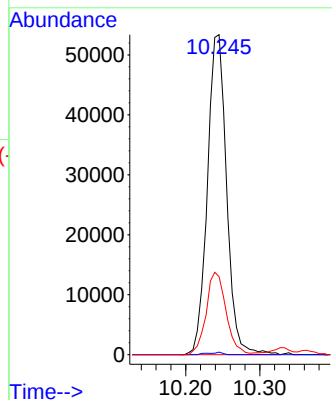
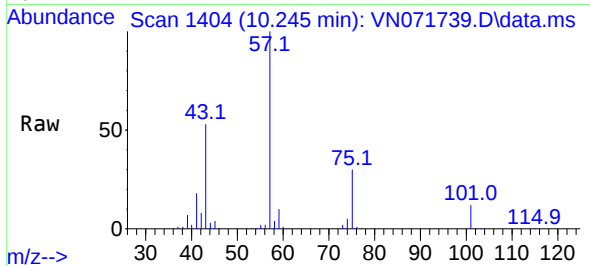




#54
cis-1,3-Dichloropropene
Concen: 8.570 ug/l
RT: 10.245 min Scan# 1404
Delta R.T. 0.059 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

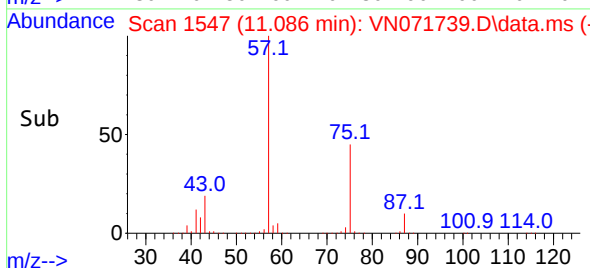
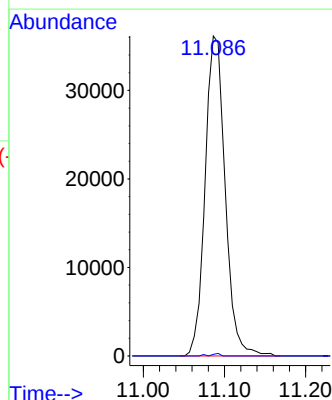
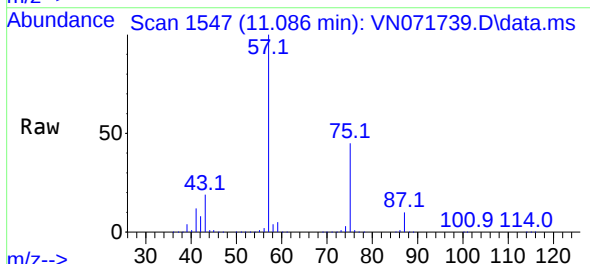
Instrument :
MSVOA_N
ClientSampleId :
MHE

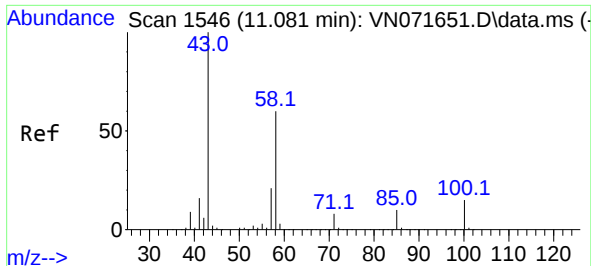
Tgt Ion: 75 Resp: 96084
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 24.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.914 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 76 Resp: 61978
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

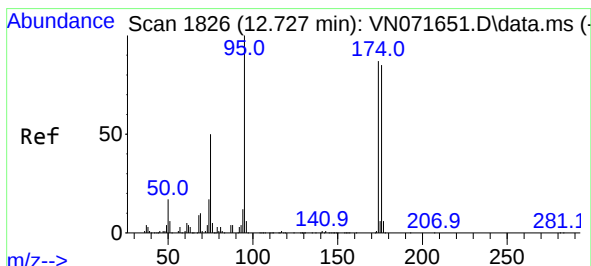
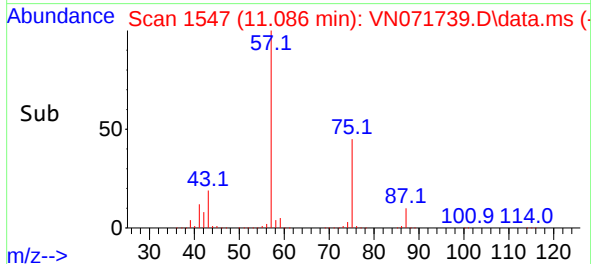
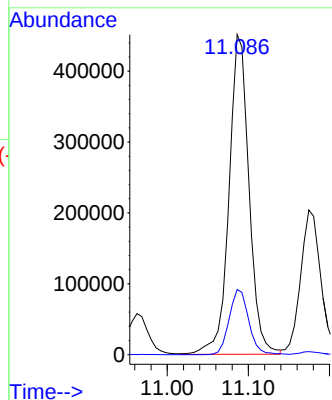
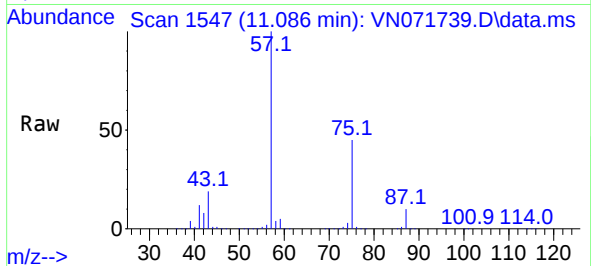




#59
2-Hexanone
Concen: 114.031 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

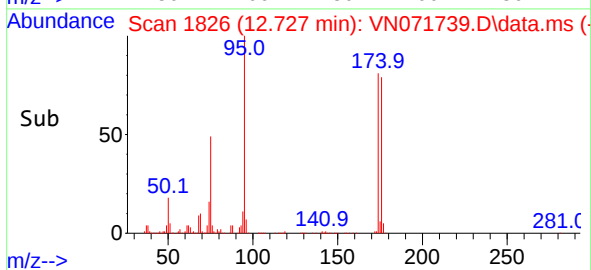
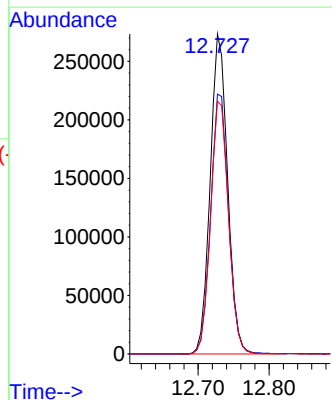
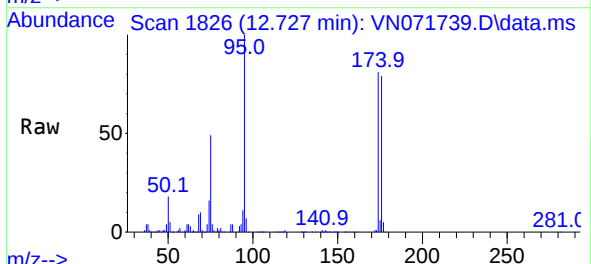
Instrument :
MSVOA_N
ClientSampleId :
MHE

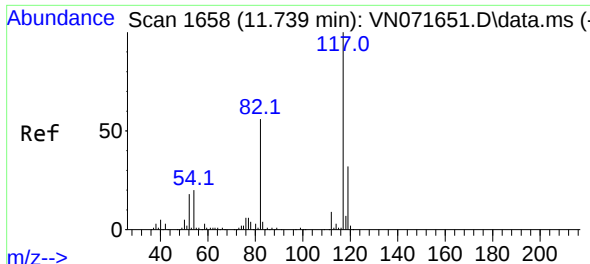
Tgt Ion: 43 Resp: 771333
Ion Ratio Lower Upper
43 100
58 19.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 53.528 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

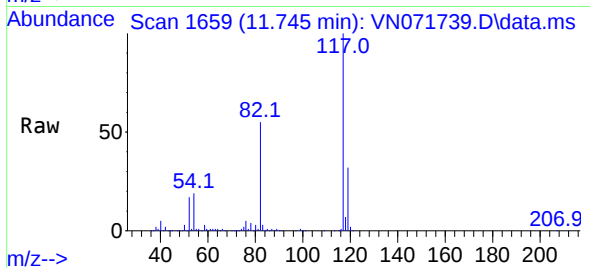
Tgt Ion: 95 Resp: 465483
Ion Ratio Lower Upper
95 100
174 83.3 0.0 167.6
176 81.0 0.0 163.4



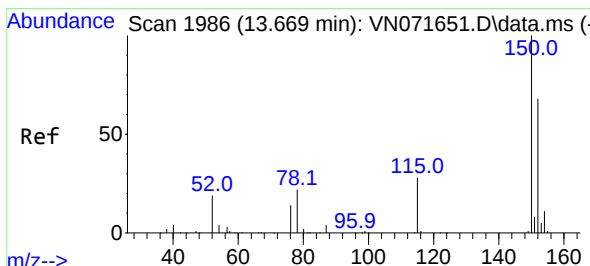
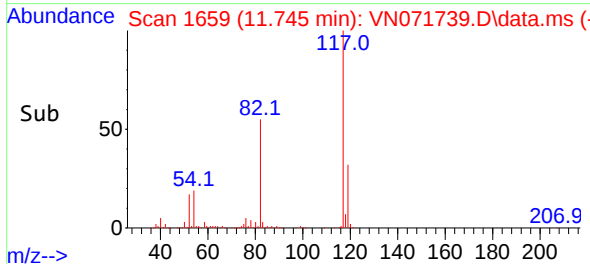
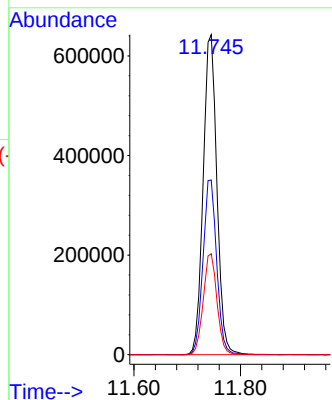


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Instrument :
MSVOA_N
ClientSampleId :
MHE

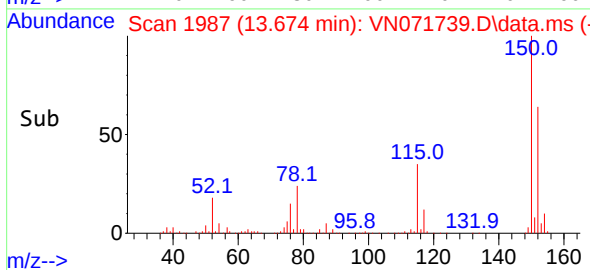
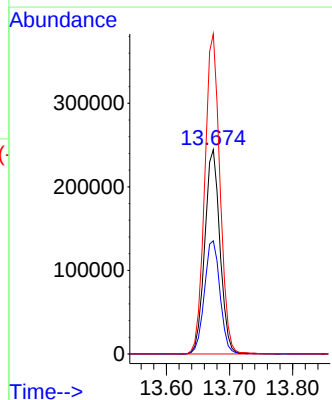
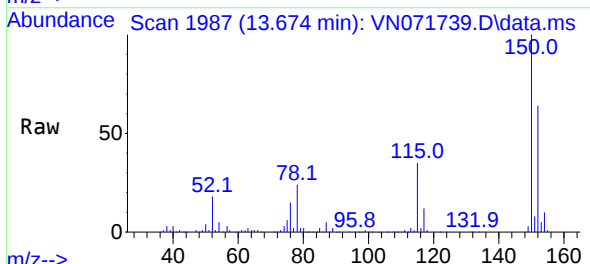


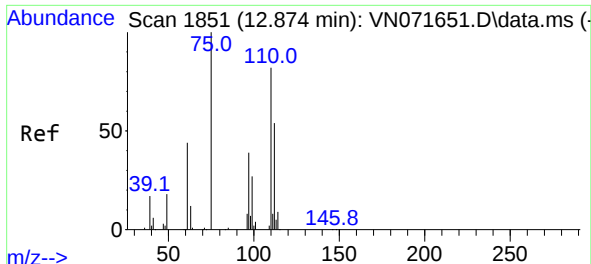
Tgt Ion:117 Resp: 1147835
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion:152 Resp: 409129
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 156.5 0.0 356.2

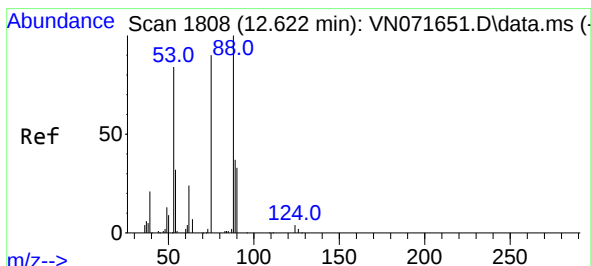
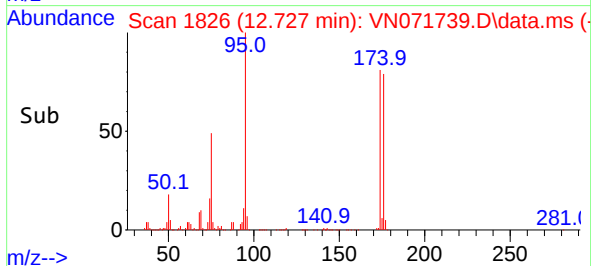
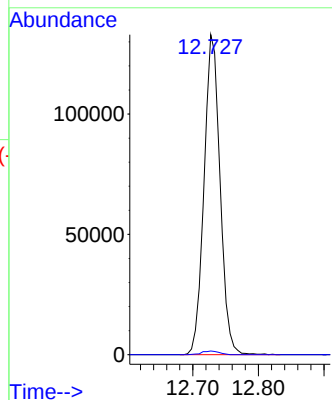
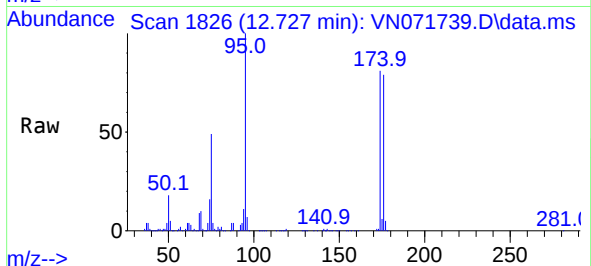




#76
1,2,3-Trichloropropane
Concen: 23.894 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

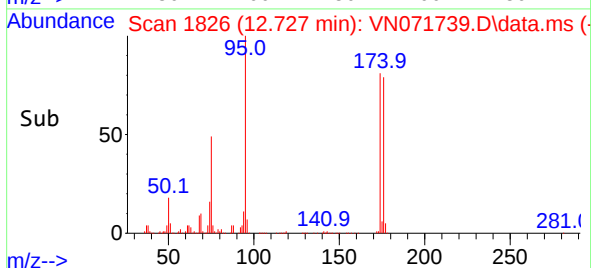
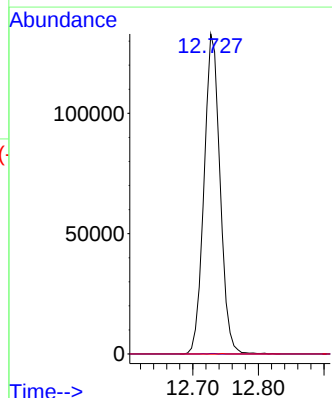
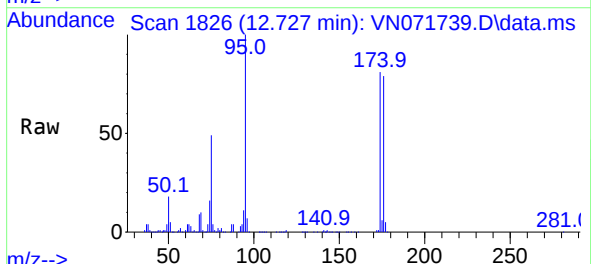
Instrument :
MSVOA_N
ClientSampleId :
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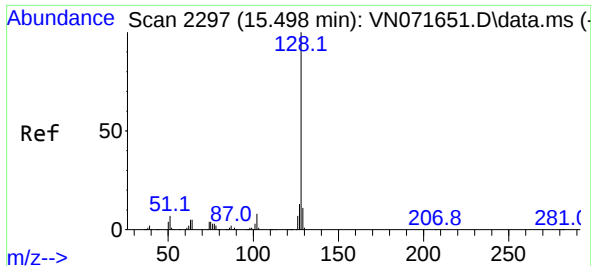
Tgt Ion: 75 Resp: 226460
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.046 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion: 75 Resp: 226460
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

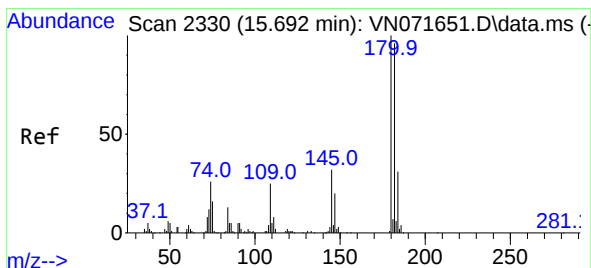
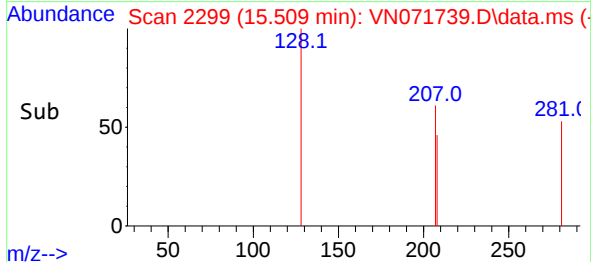
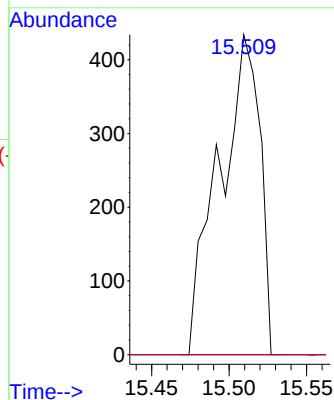
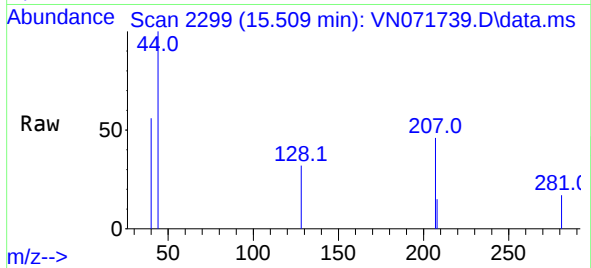




#95
Naphthalene
Concen: 3.842 ug/l
RT: 15.509 min Scan# 2297
Delta R.T. 0.011 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Instrument :
MSVOA_N
ClientSampleId :
MHE

Tgt Ion:128 Resp: 794
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.424 ug/l
RT: 15.709 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN071739.D
Acq: 01 Apr 2022 06:05

Tgt Ion:180 Resp: 67
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

