

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071765.D
 Acq On : 01 Apr 2022 20:09
 Operator : JC\MD
 Sample : N2090-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-60

Quant Time: Apr 02 00:57:41 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

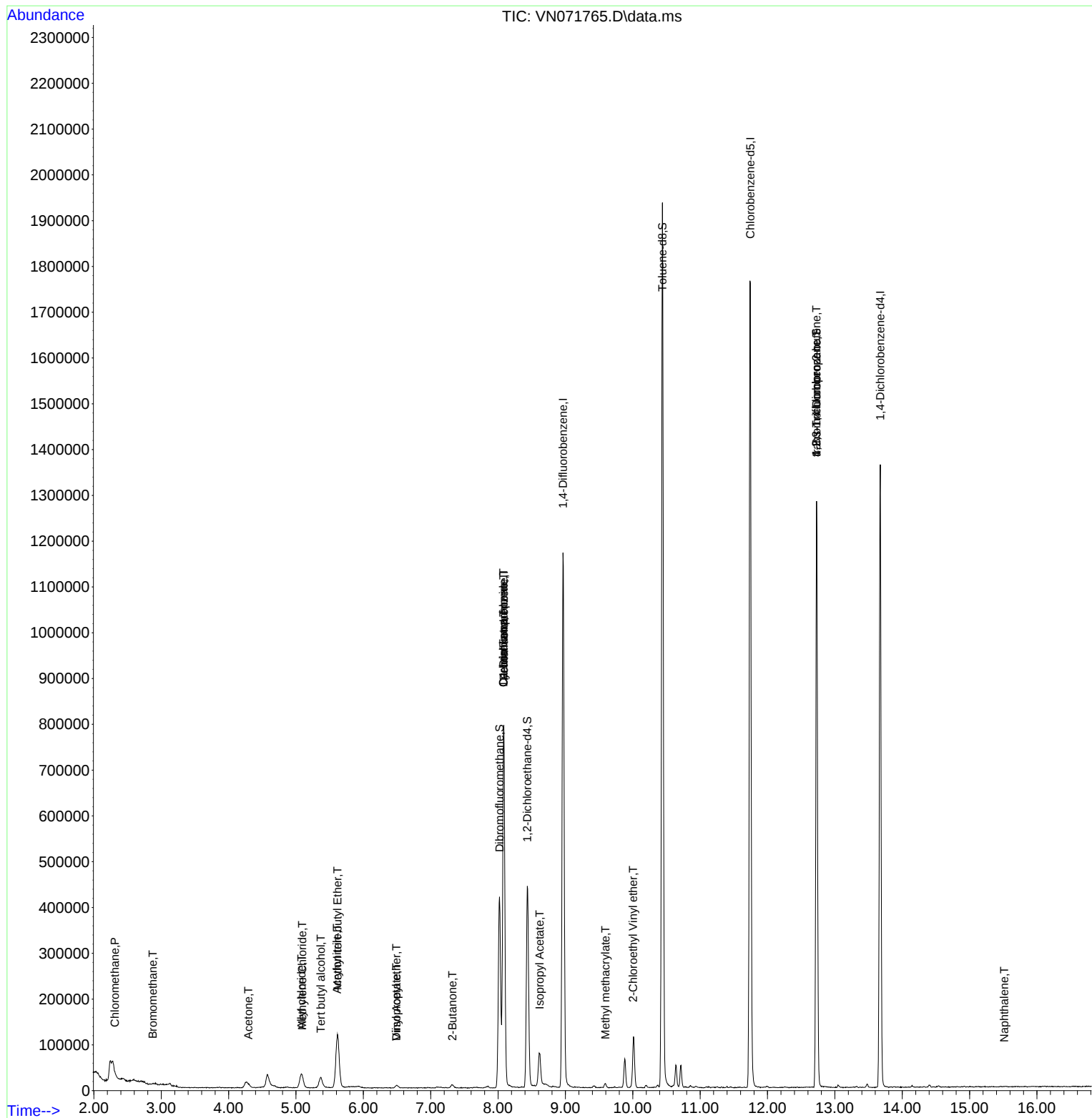
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	649642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1107803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1125426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	405874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	375691	50.657	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.320%		
35) Dibromofluoromethane	8.022	113	315078	48.334	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 96.660%		
50) Toluene-d8	10.439	98	1397409	52.402	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.800%		
62) 4-Bromofluorobenzene	12.727	95	457321	53.026	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 106.060%		
Target Compounds						Qvalue
3) Chloromethane	2.310	50	2726	0.417	ug/l #	43
5) Bromomethane	2.875	94	1360	0.291	ug/l #	79
11) Tert butyl alcohol	5.369	59	45176	37.535	ug/l #	84
14) Allyl chloride	5.081	41	14096	1.620	ug/l #	61
15) Acrylonitrile	5.610	53	1329	0.380	ug/l #	7
16) Acetone	4.292	43	15886	5.012	ug/l	92
18) Methyl Acetate	4.863	43	3568	Below Cal	#	66
19) Methyl tert-butyl Ether	5.616	73	203074	10.194	ug/l	99
20) Methylene Chloride	5.092	84	2490	0.373	ug/l #	58
22) Diisopropyl ether	6.492	45	7133	0.376	ug/l	91
23) Vinyl Acetate	6.492	43	3817	0.253	ug/l #	68
25) 2-Butanone	7.322	43	1675	0.367	ug/l #	45
31) Cyclohexane	8.080	56	12026	1.192	ug/l #	9
36) 1,1-Dichloropropene	8.080	75	45369	4.984	ug/l #	49
38) Carbon Tetrachloride	8.080	117	58058	6.508	ug/l #	17
43) Isopropyl Acetate	8.616	43	26971	1.627	ug/l #	53
48) Methyl methacrylate	9.592	41	2227	0.324	ug/l #	31
58) 2-Chloroethyl Vinyl ether	10.004	63	53	16.982	ug/l #	44
76) 1,2,3-Trichloropropane	12.727	75	224362	23.862	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	224362	73.948	ug/l #	10
95) Naphthalene	15.515	128	319	3.819	ug/l #	69

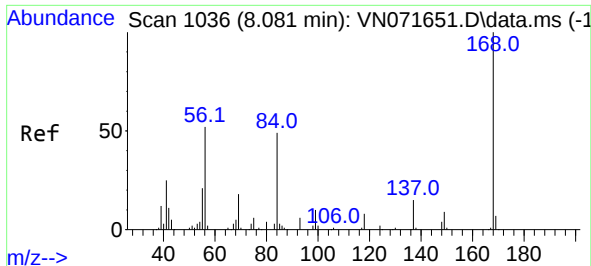
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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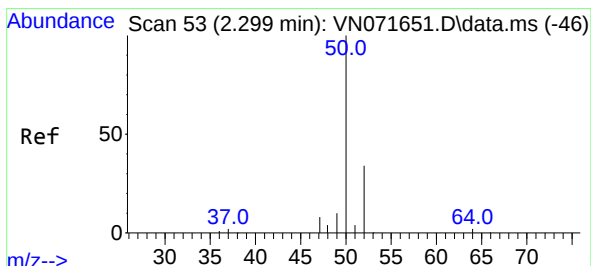
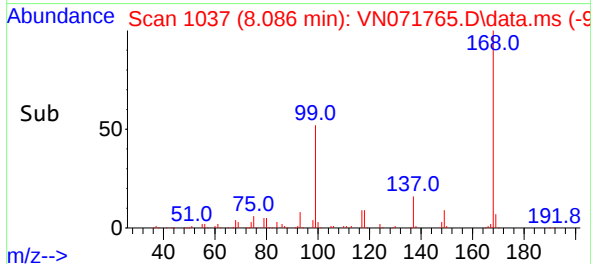
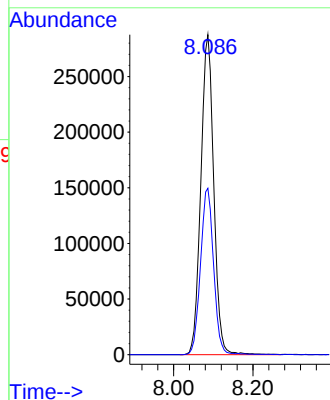
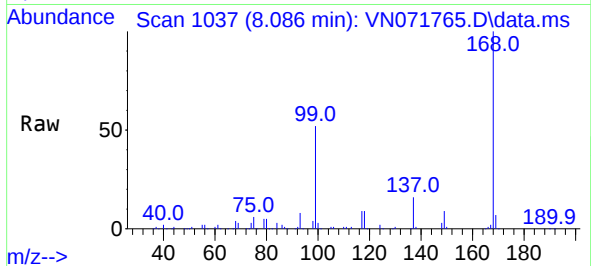




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

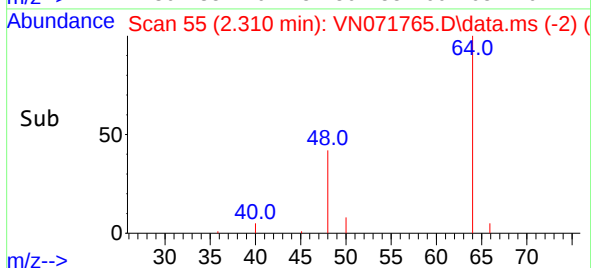
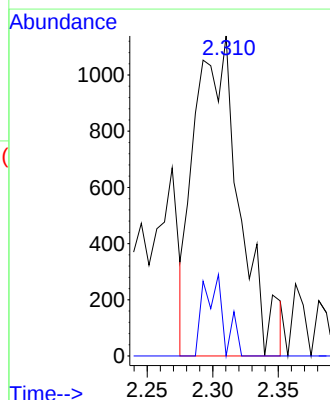
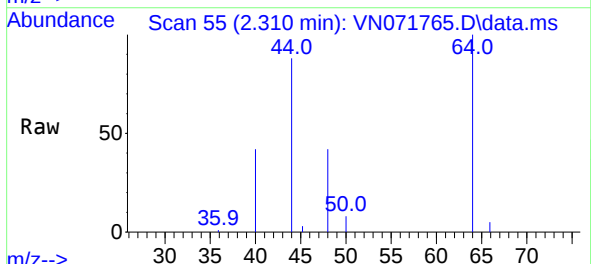
Instrument :
MSVOA_N
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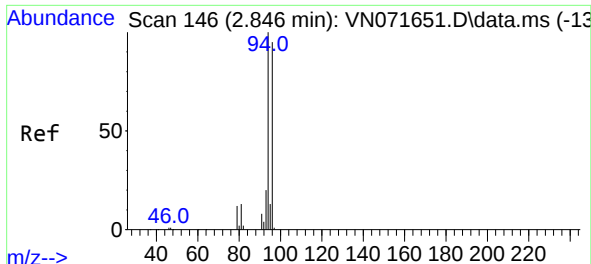
Tgt Ion:168 Resp: 649642
Ion Ratio Lower Upper
168 100
99 52.0 42.3 63.5



#3
Chloromethane
Concen: 0.417 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 50 Resp: 2726
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

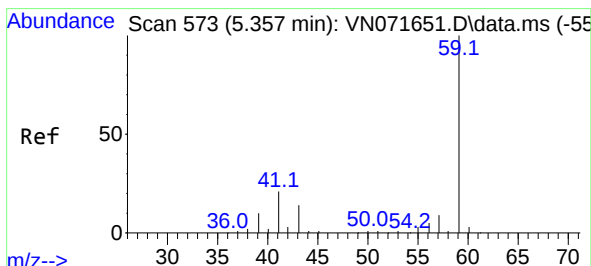
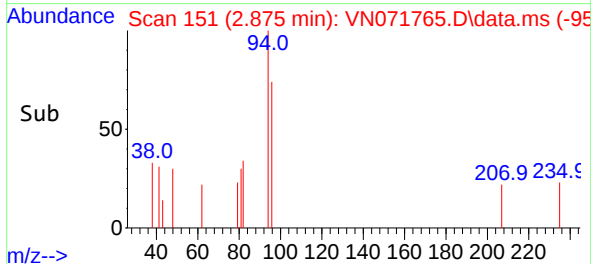
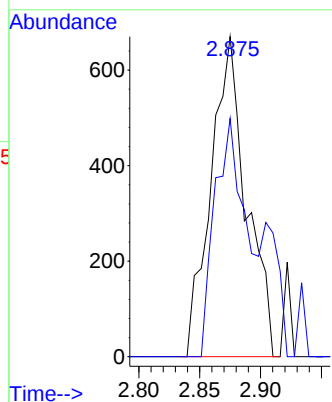
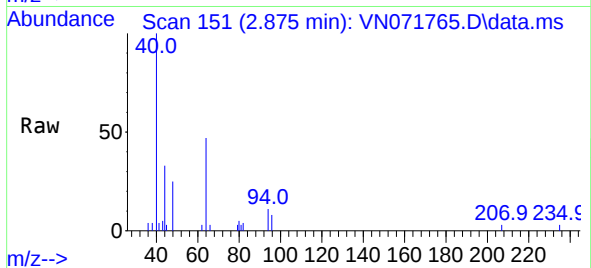




#5
Bromomethane
Concen: 0.291 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

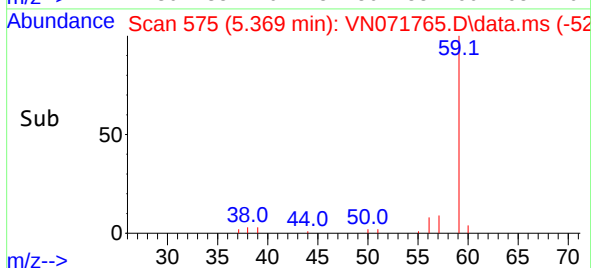
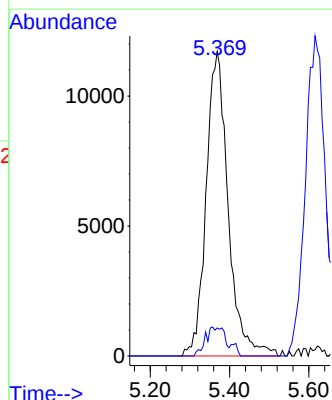
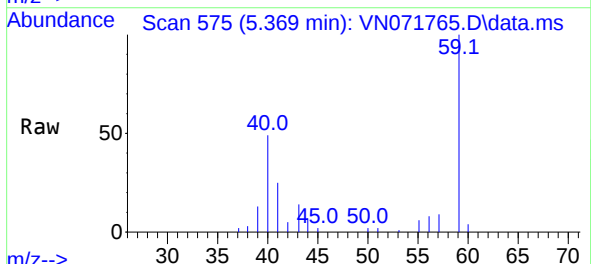
Instrument :
MSVOA_N
ClientSampleId :
MW-60

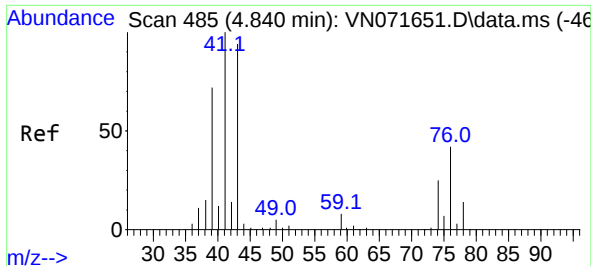
Tgt Ion: 94 Resp: 1360
Ion Ratio Lower Upper
94 100
96 74.5 76.0 114.0#



#11
Tert butyl alcohol
Concen: 37.535 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 59 Resp: 45176
Ion Ratio Lower Upper
59 100
57 4.4 8.3 12.5#

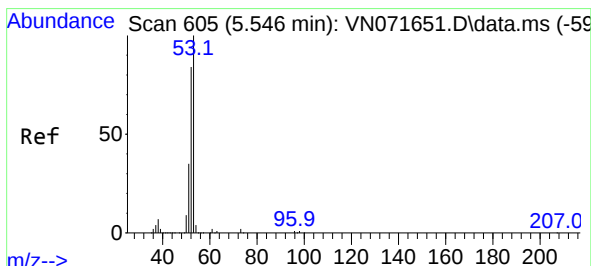
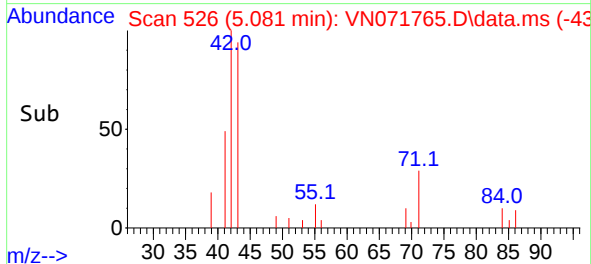
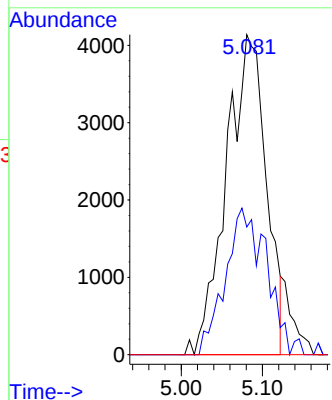
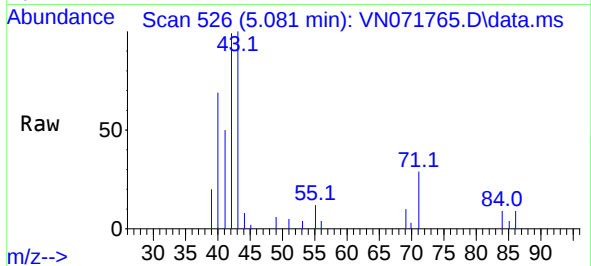




#14
 Allyl chloride
 Concen: 1.620 ug/l
 RT: 5.081 min Scan# 51
 Delta R.T. 0.241 min
 Lab File: VN071765.D
 Acq: 01 Apr 2022 20:09

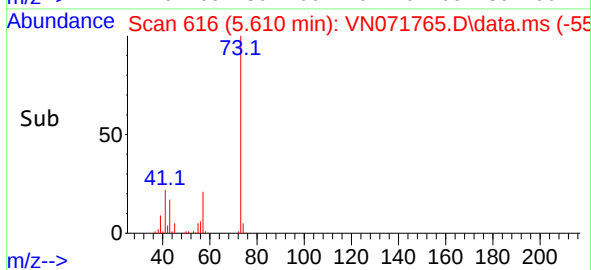
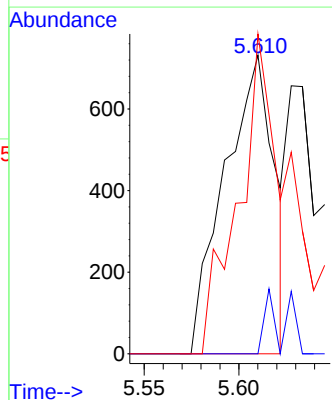
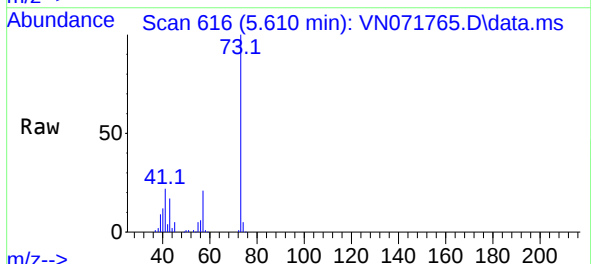
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-60

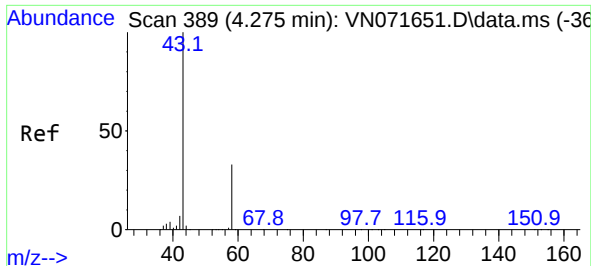
Tgt Ion: 41 Resp: 14096
 Ion Ratio Lower Upper
 41 100
 39 45.8 53.2 79.8#
 76 0.0 29.9 44.9#



#15
 Acrylonitrile
 Concen: 0.380 ug/l
 RT: 5.610 min Scan# 616
 Delta R.T. 0.064 min
 Lab File: VN071765.D
 Acq: 01 Apr 2022 20:09

Tgt Ion: 53 Resp: 1329
 Ion Ratio Lower Upper
 53 100
 52 8.3 66.4 99.6#
 51 103.6 28.5 42.7#

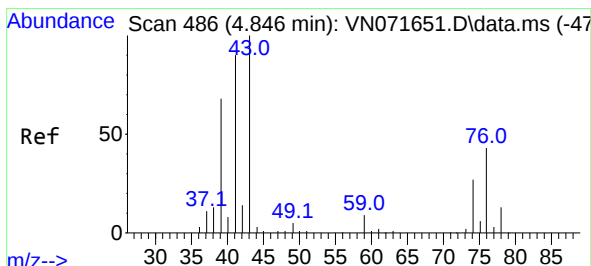
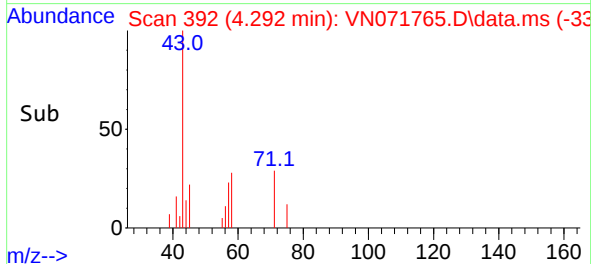
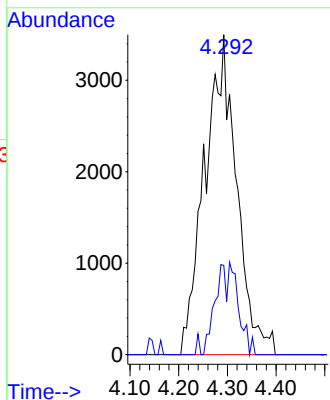
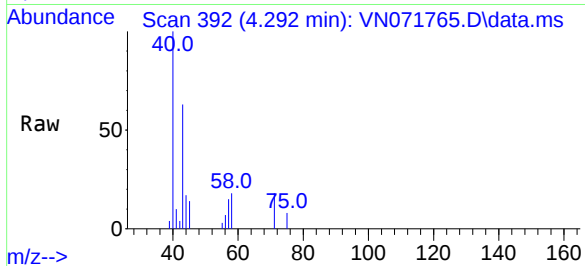




#16
Acetone
Concen: 5.012 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.017 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

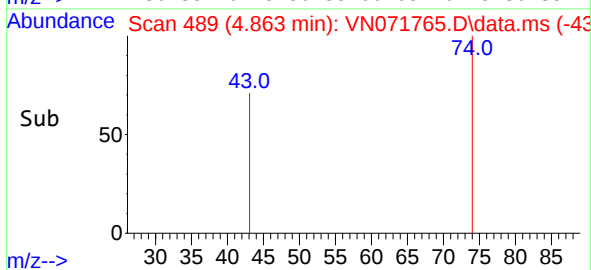
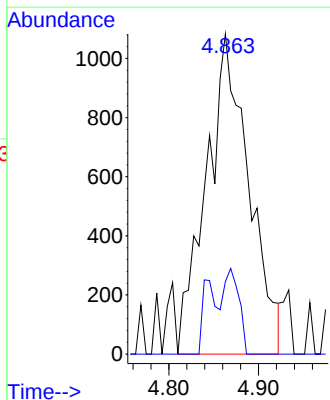
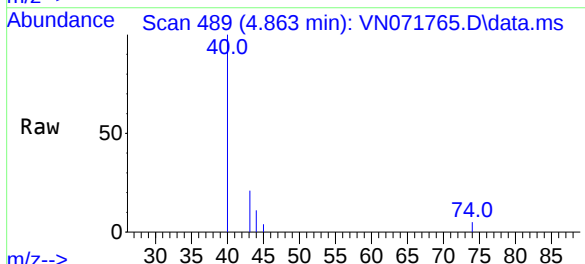
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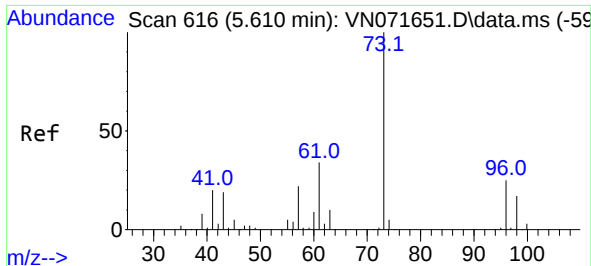
Tgt Ion: 43 Resp: 15886
Ion Ratio Lower Upper
43 100
58 27.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
74 9.2 21.6 32.4#

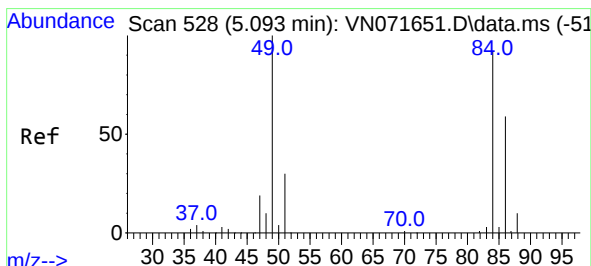
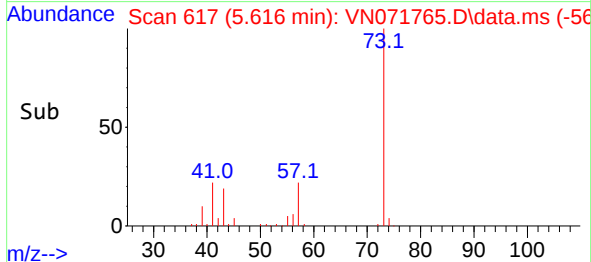
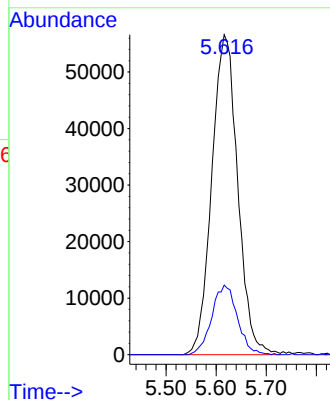
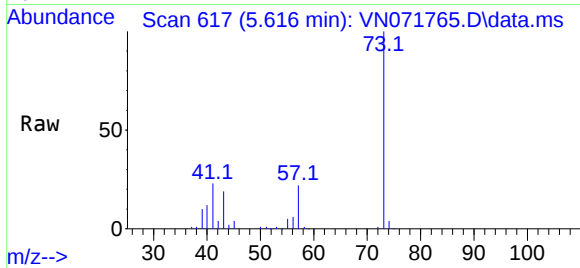




#19
Methyl tert-butyl Ether
Concen: 10.194 ug/l
RT: 5.616 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

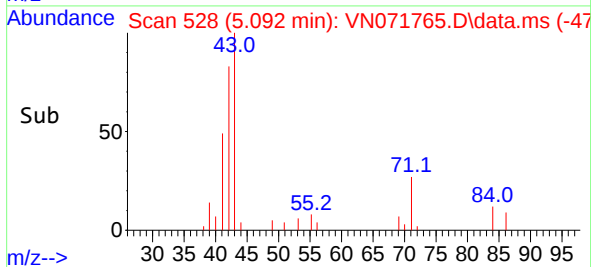
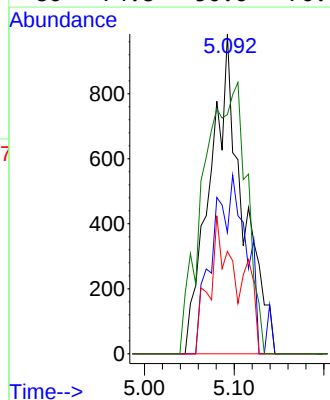
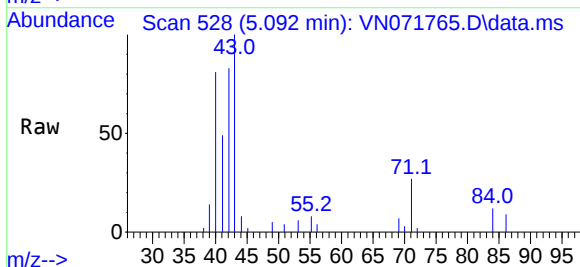
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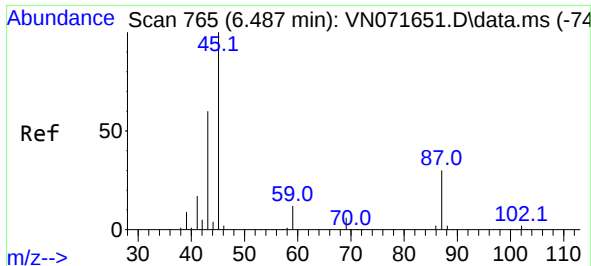
Tgt Ion: 73 Resp: 203074
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 0.373 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 84 Resp: 2490
Ion Ratio Lower Upper
84 100
49 37.9 88.3 132.5#
51 32.0 28.2 42.2
86 74.8 50.6 76.0

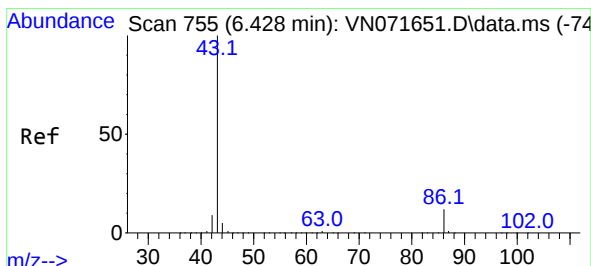
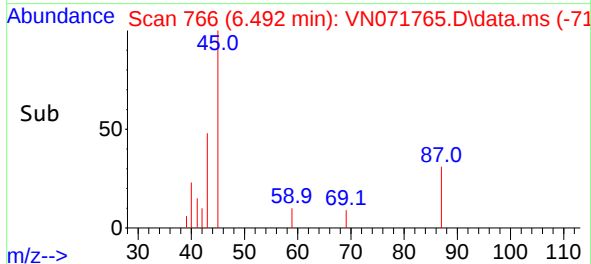
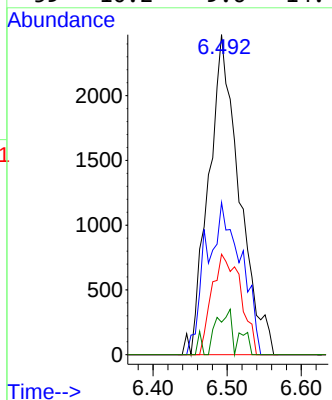
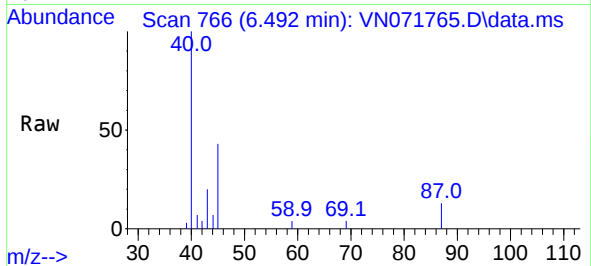




#22
Diisopropyl ether
Concen: 0.376 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

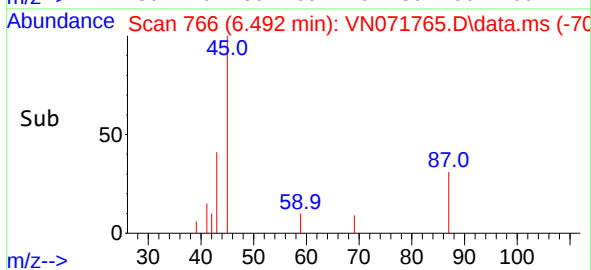
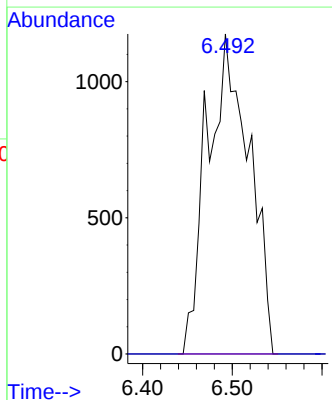
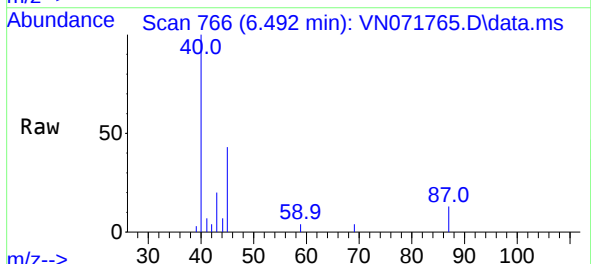
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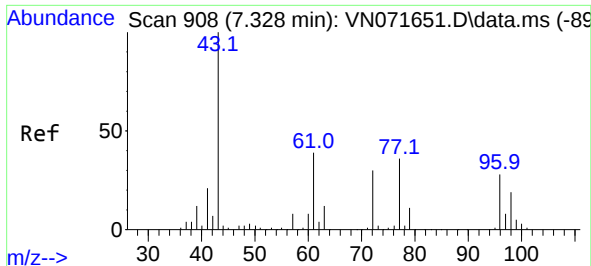
Tgt Ion:	45	Resp:	7133
Ion	Ratio	Lower	Upper
45	100		
43	47.6	46.6	70.0
87	31.4	24.3	36.5
59	10.2	9.6	14.4



#23
Vinyl Acetate
Concen: 0.253 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.064 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion:	43	Resp:	3817
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#

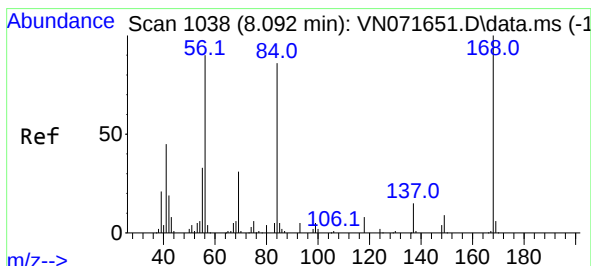
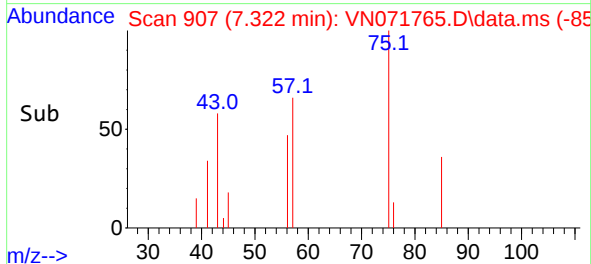
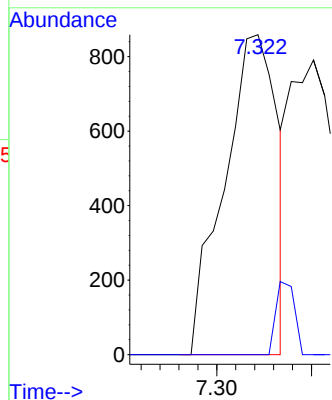
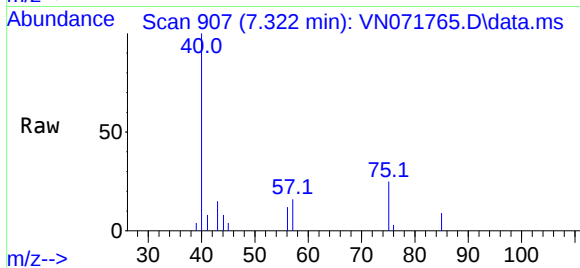




#25
2-Butanone
Concen: 0.367 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.006 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

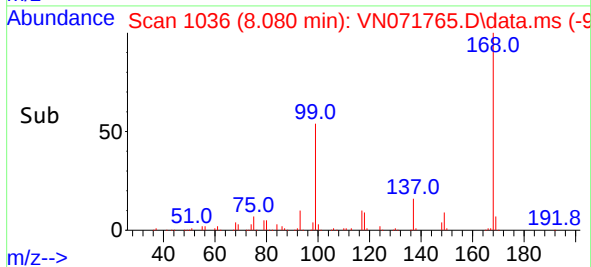
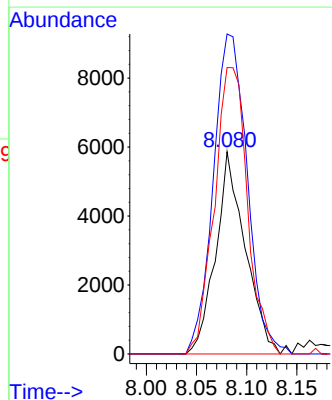
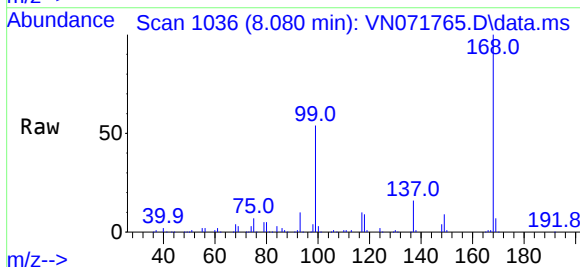
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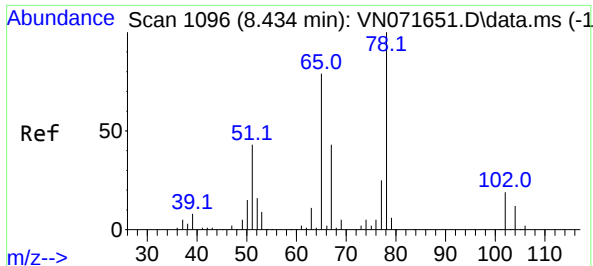
Tgt Ion: 43 Resp: 1675
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 56 Resp: 12026
Ion Ratio Lower Upper
56 100
69 158.2 27.8 41.8#
84 141.6 76.9 115.3#

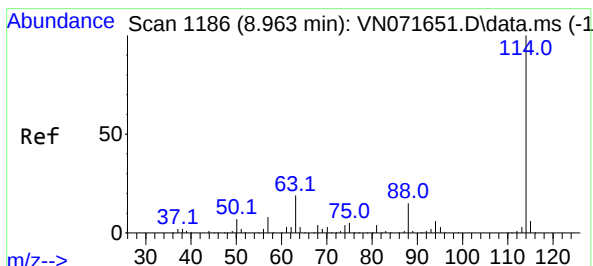
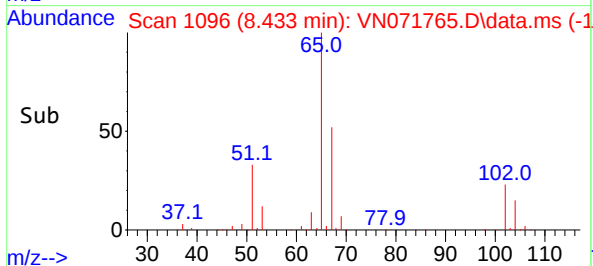
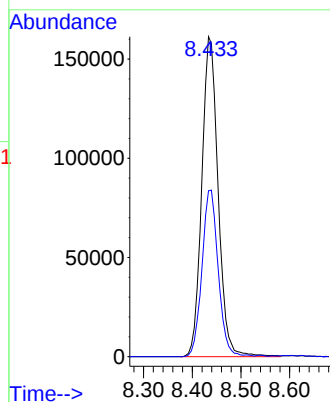
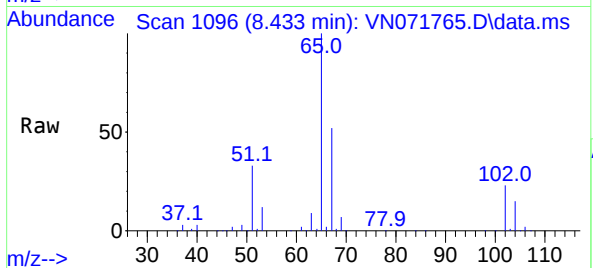




#33
1,2-Dichloroethane-d4
Concen: 50.657 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

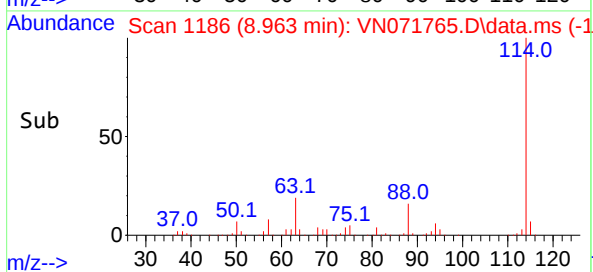
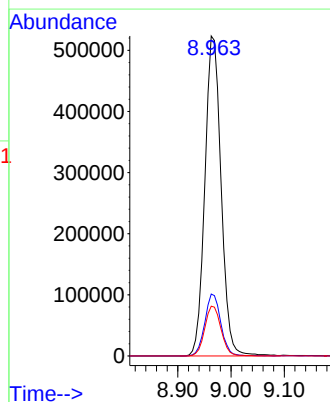
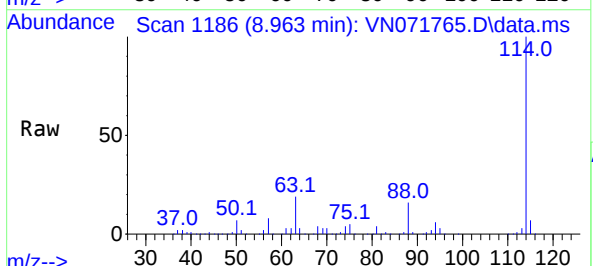
Instrument :
MSVOA_N
ClientSampleId :
MW-60

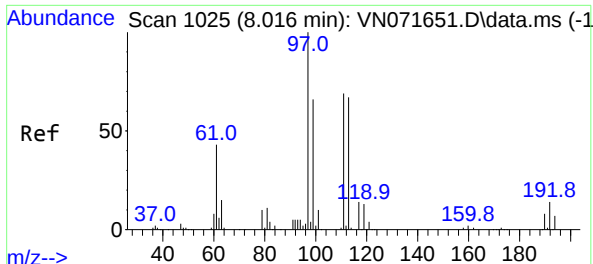
Tgt Ion: 65 Resp: 375691
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion:114 Resp: 1107803
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.6 0.0 32.6

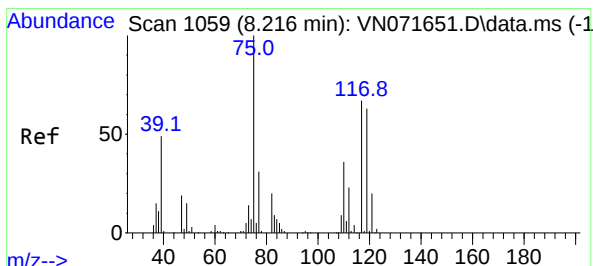
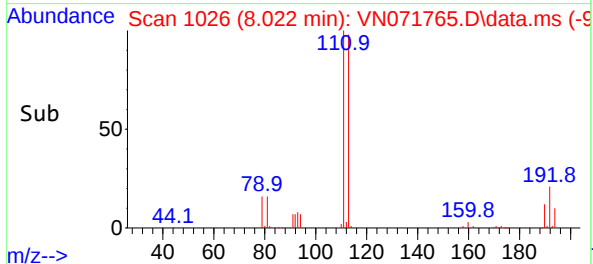
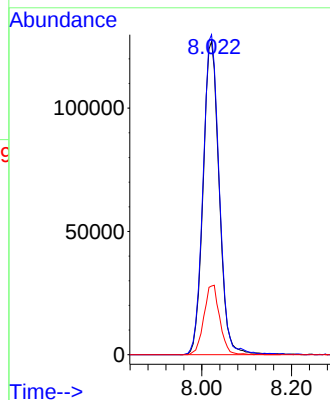
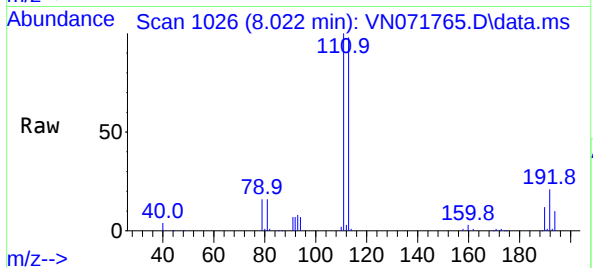




#35
Dibromofluoromethane
Concen: 48.334 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

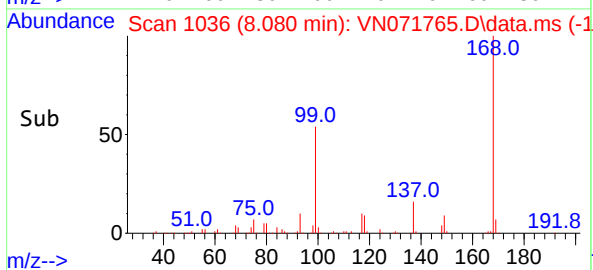
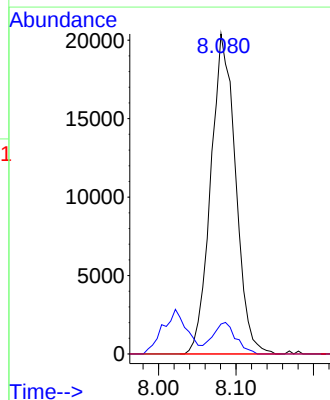
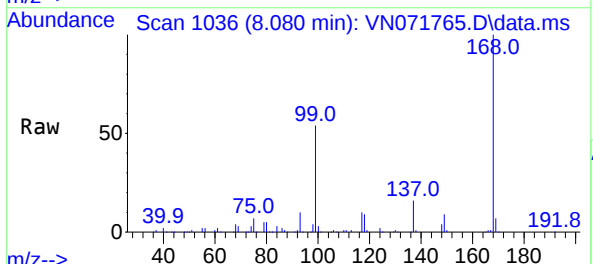
Instrument :
MSVOA_N
ClientSampleId :
MW-60

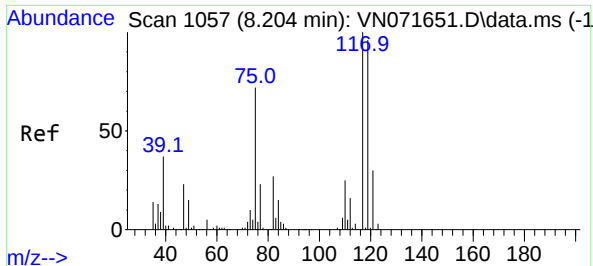
Tgt Ion:113 Resp: 315078
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 75 Resp: 45369
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#

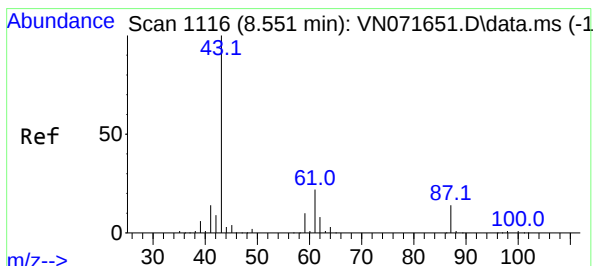
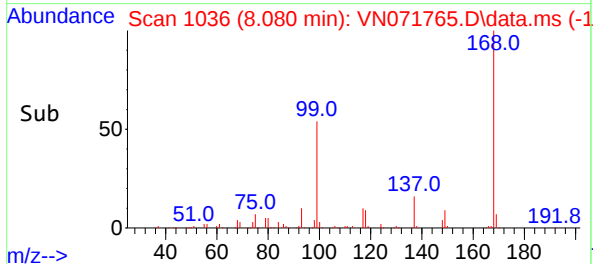
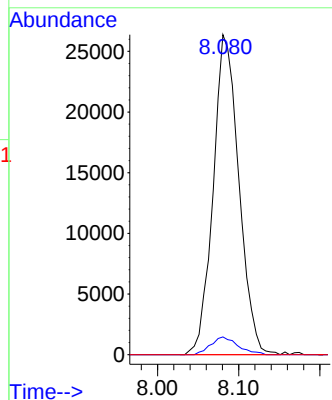
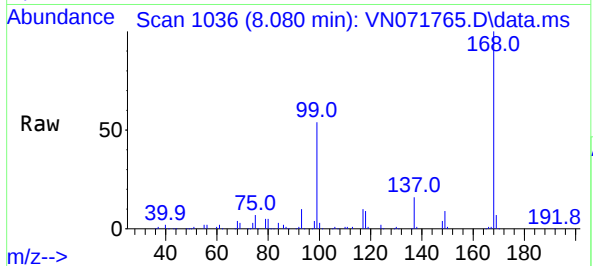




#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

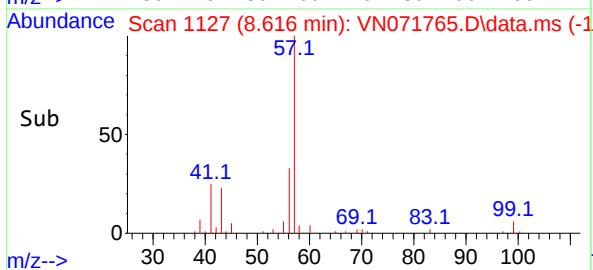
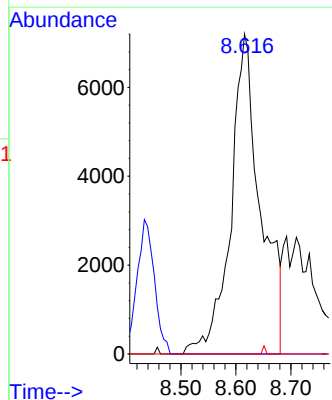
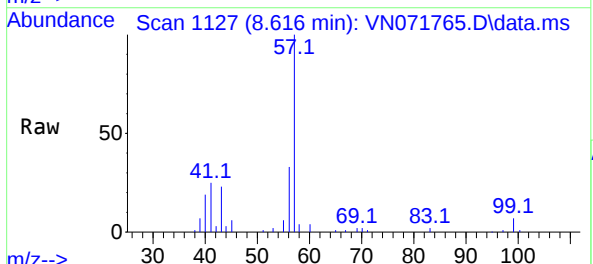
Instrument :
MSVOA_N
ClientSampleId :
MW-60

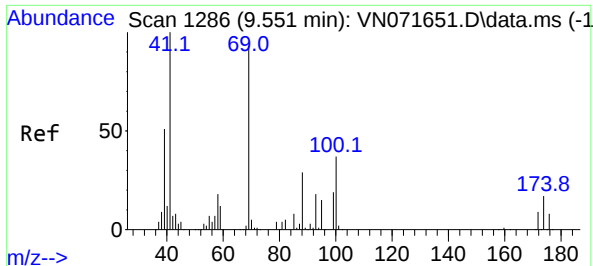
Tgt Ion:117 Resp: 58058
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.627 ug/l
RT: 8.616 min Scan# 1127
Delta R.T. 0.065 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 43 Resp: 26971
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 0.324 ug/l

RT: 9.592 min Scan# 1293

Delta R.T. 0.041 min

Lab File: VN071765.D

Acq: 01 Apr 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

MW-60

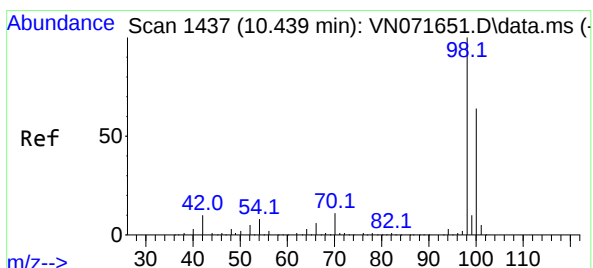
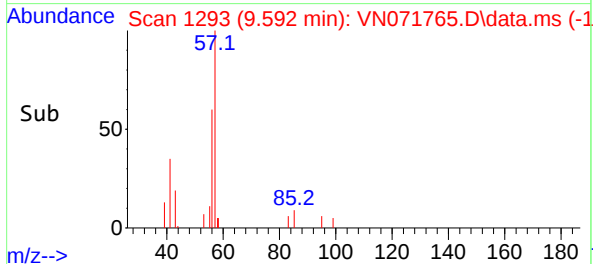
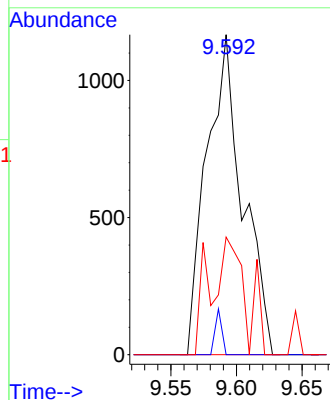
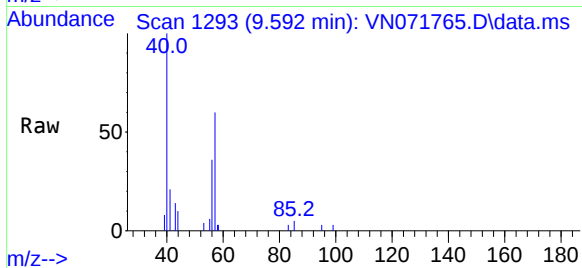
Tgt Ion: 41 Resp: 2227

Ion Ratio Lower Upper

41 100

69 2.6 74.7 112.1#

39 36.2 45.6 68.4#



#50

Toluene-d8

Concen: 52.402 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071765.D

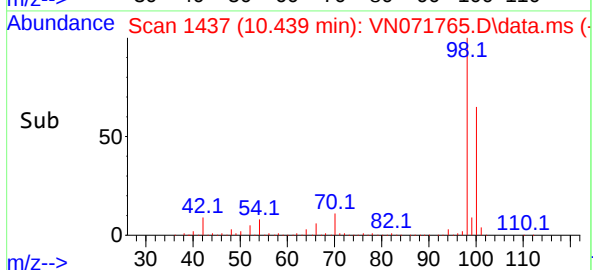
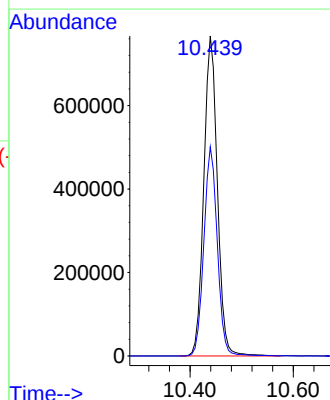
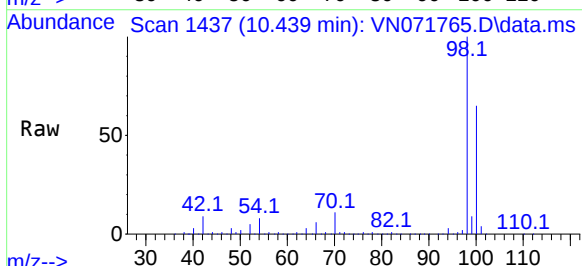
Acq: 01 Apr 2022 20:09

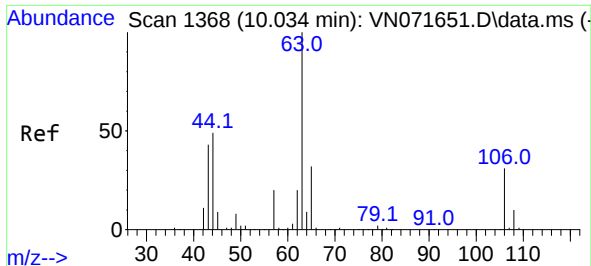
Tgt Ion: 98 Resp: 1397409

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8

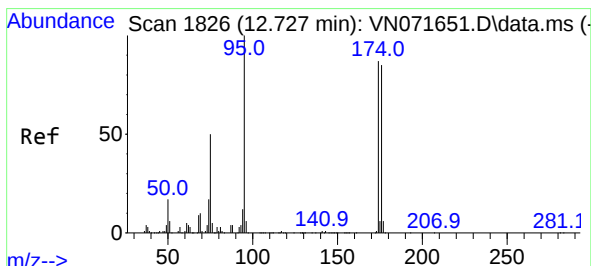
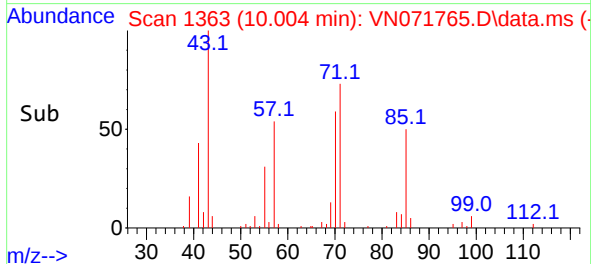
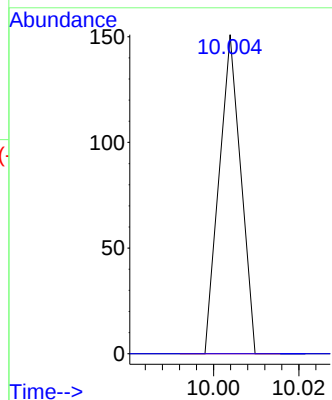
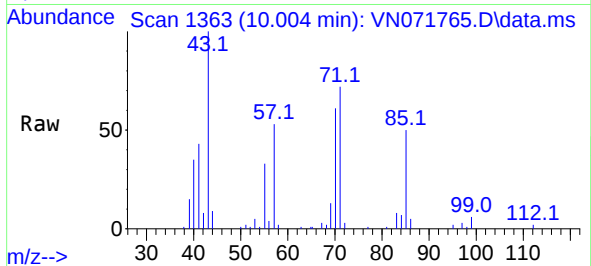




#58
2-Chloroethyl Vinyl ether
Concen: 16.982 ug/l
RT: 10.004 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

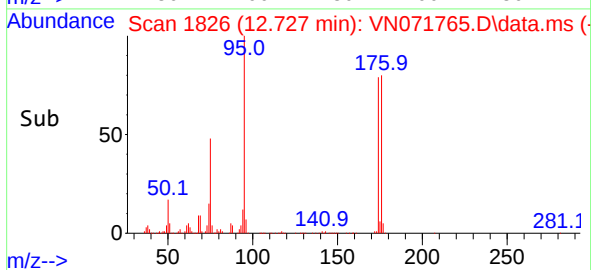
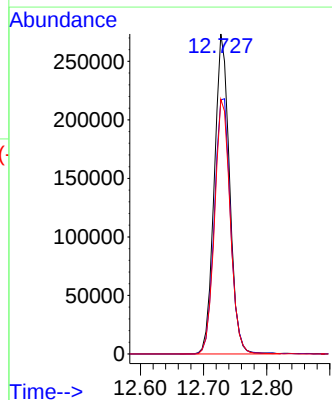
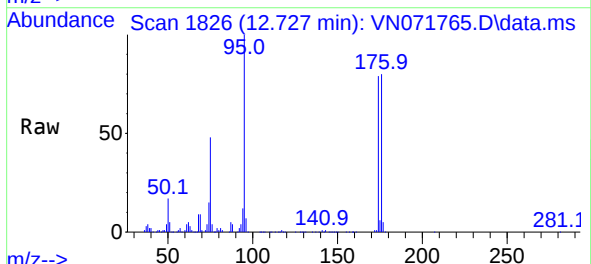
Instrument :
MSVOA_N
ClientSampleId :
MW-60

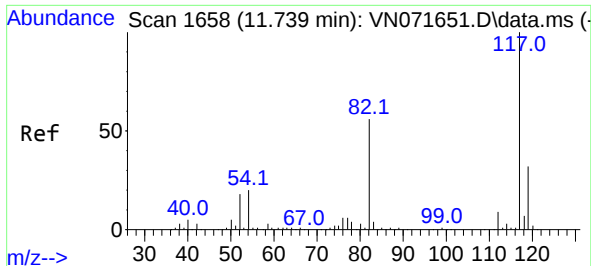
Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#62
4-Bromofluorobenzene
Concen: 53.026 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 95 Resp: 457321
Ion Ratio Lower Upper
95 100
174 84.2 0.0 167.6
176 81.6 0.0 163.4

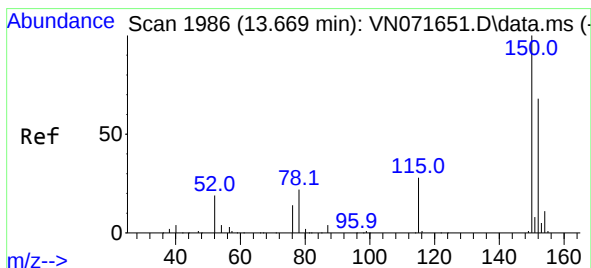
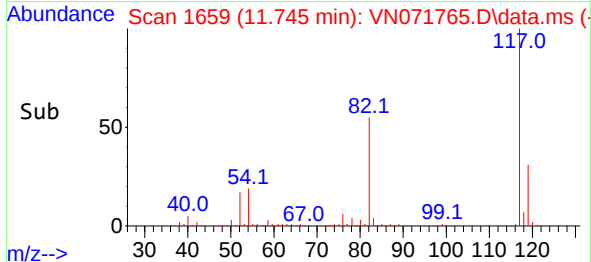
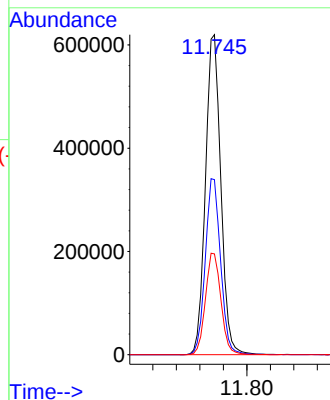
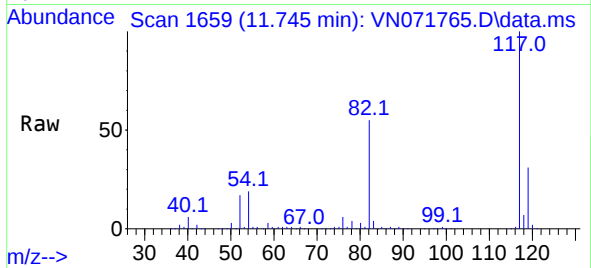




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

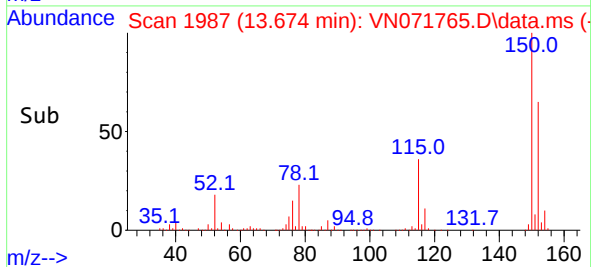
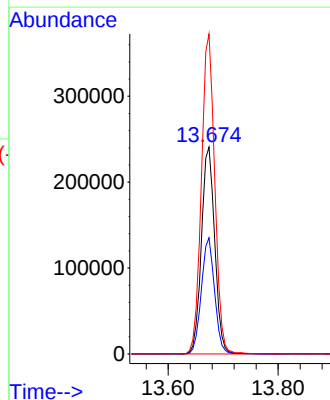
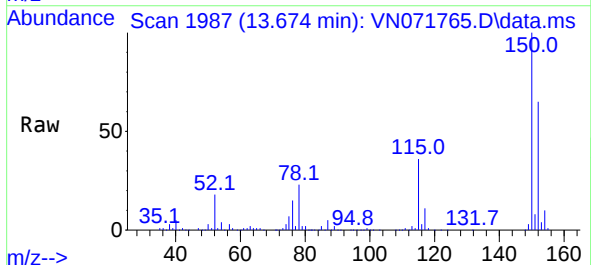
Instrument :
MSVOA_N
ClientSampleId :
MW-60

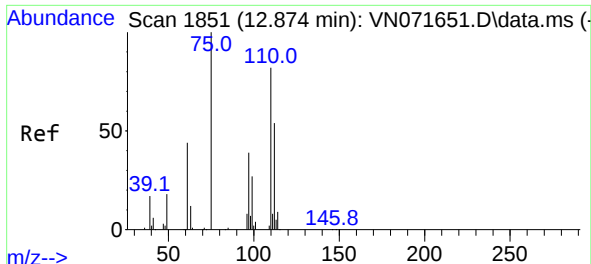
Tgt Ion:117 Resp: 1125426
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion:152 Resp: 405874
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 155.0 0.0 356.2

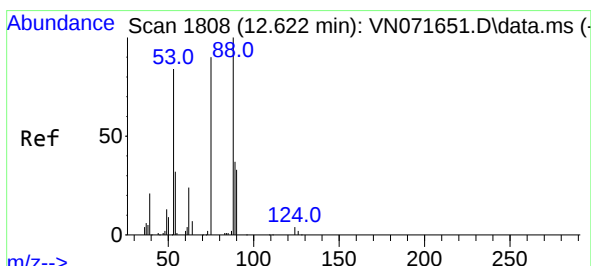
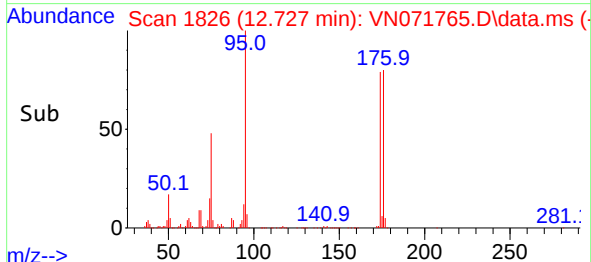
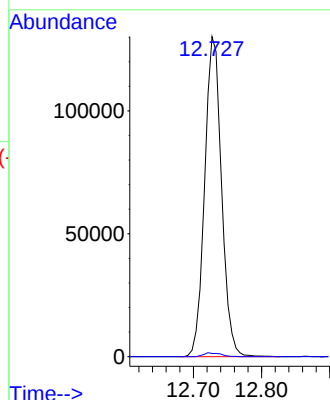
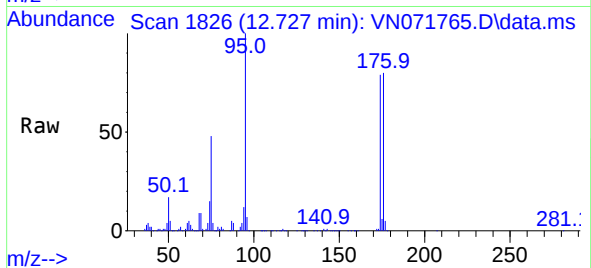




#76
1,2,3-Trichloropropane
Concen: 23.862 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

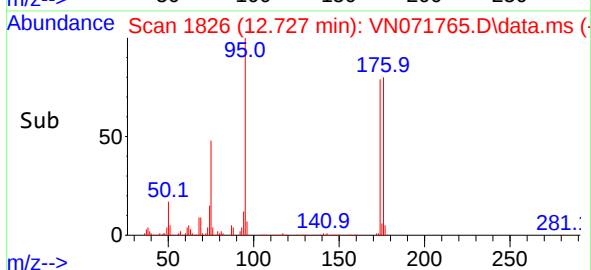
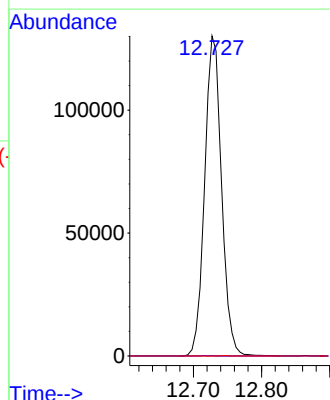
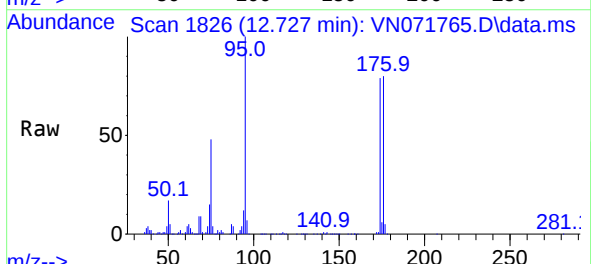
Instrument : MSVOA_N
ClientSampleId : MW-60

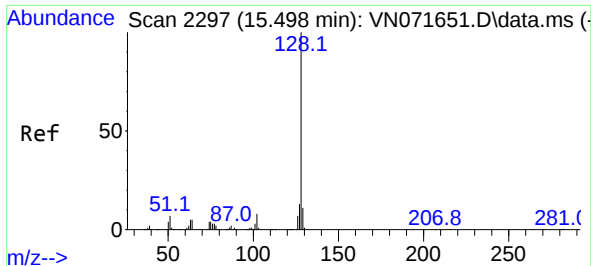
Tgt Ion: 75 Resp: 224362
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.948 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071765.D
Acq: 01 Apr 2022 20:09

Tgt Ion: 75 Resp: 224362
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.819 ug/l

RT: 15.515 min Scan# 21

Delta R.T. 0.017 min

Lab File: VN071765.D

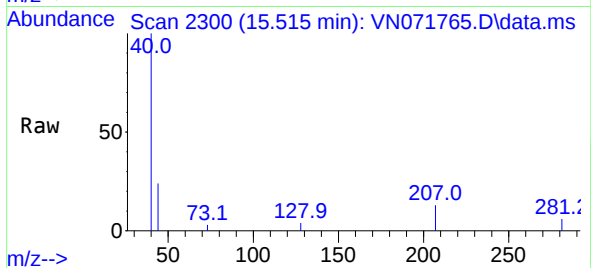
Acq: 01 Apr 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

MW-60



Tgt Ion:128 Resp: 319

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

